Mrs Angie Motshekga,
Minister of Basic
Education

Mr Enver Surty,
Deputy Minister
of Basic Education

These workbooks have been developed for the children of South Africa under the leadership of the Minister of Basic Education, Mrs Angie Motshekga, and the Deputy Minister of Basic Education, Mr Enver Surty.

The Rainbow Workbooks form part of the Department of Basic Education's range of interventions aimed at improving the performance of South African learners in the first six grades. As one of the priorities of the Government's Plan of Action, this project has been made possible by the generous funding of the National Treasury. This has enabled the Department to make these workbooks, in all the official languages, available at no cost.

We hope that teachers will find these workbooks useful in their everyday teaching and in ensuring that their learners cover the curriculum. We have taken care to guide the teacher through each of the activities by the inclusion of icons that indicate what it is that the learner should do.

We sincerely hope that children will enjoy working through the book as they grow and learn, and that you, the teacher, will share their pleasure.

We wish you and your learners every success in using these workbooks.

ISBN 978-1-4315-0125-0

Rainbow WORKBOOKS

**MATHEMATICS IN ENGLISH**
**GRADE 1 – BOOK 2**
**TERMS 3 & 4**
**ISBN 978-1-4315-0125-0**
**THIS BOOK MAY NOT BE SOLD.**

1 2 3 4

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MATHEMATICS IN ENGLISH – Grade 1 Book 2

ISBN 978-1-4315-0125-0

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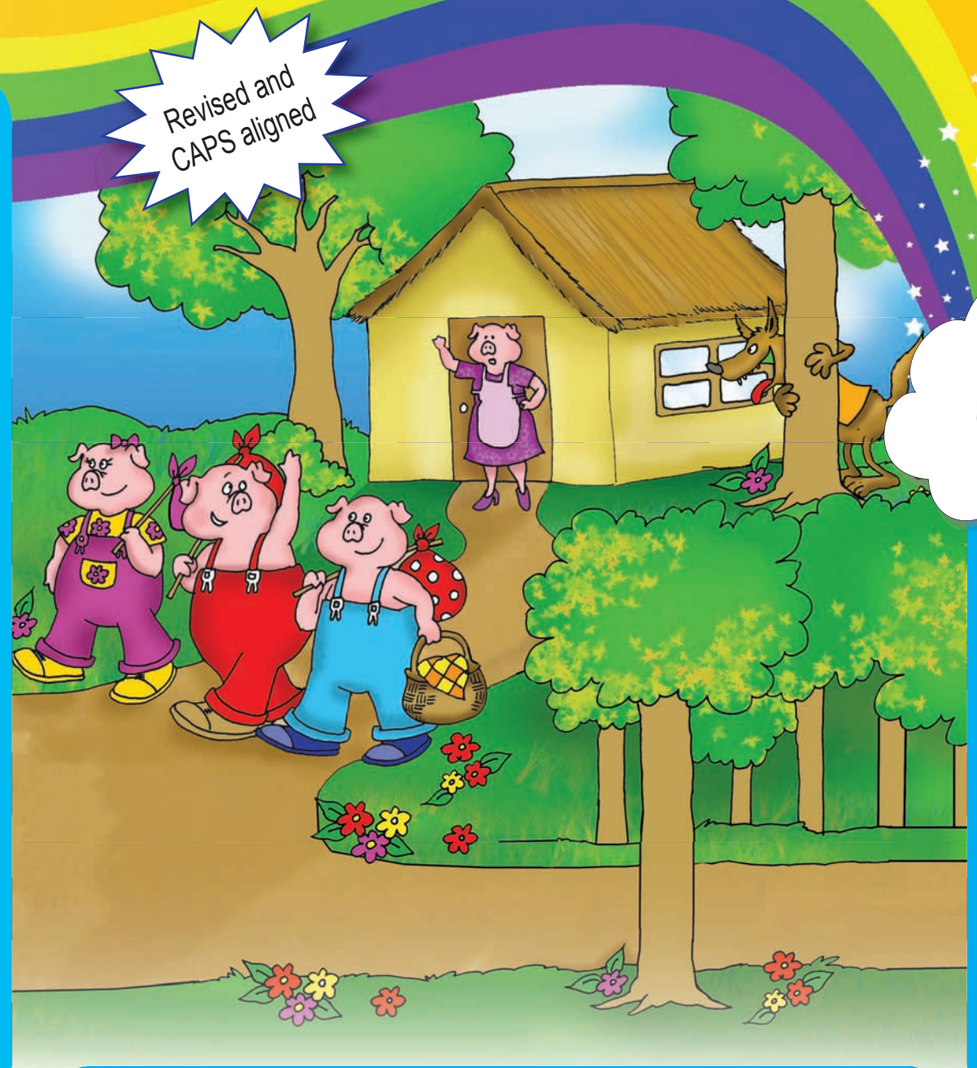

Grade 1

Name:

Class:

basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

# MATHEMATICS IN ENGLISH

Book 2
Terms 3 & 4

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1 2 3 4 5

6 7 8 9 10

11 12 13 14 15

16 17 18 19 20

\+ − x ÷

= =

# Grade 1

Rainbow WORKBOOKS

# Mathematics

## IN ENGLISH

This book belongs to:

ENGLISH

Book 2

Date:

# Understand number 11



## Revision:

Practice writing the numbers.

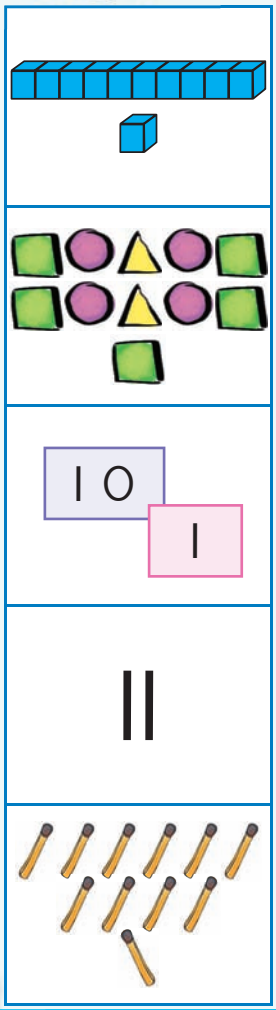
one

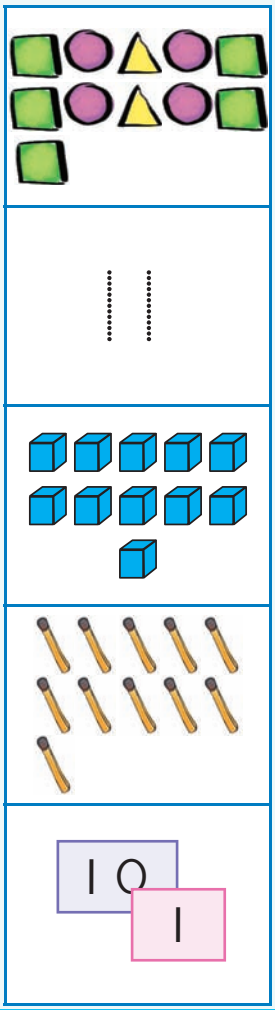
1 1

two

2 2

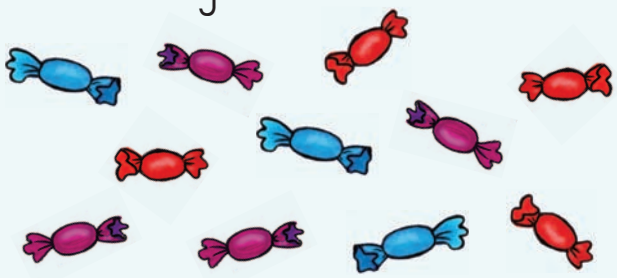
Match the pictures.



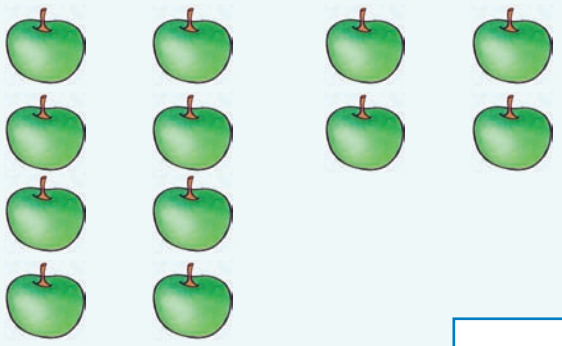
Circle the objects.

Circle only 10 sweets.



How many sweets are left?

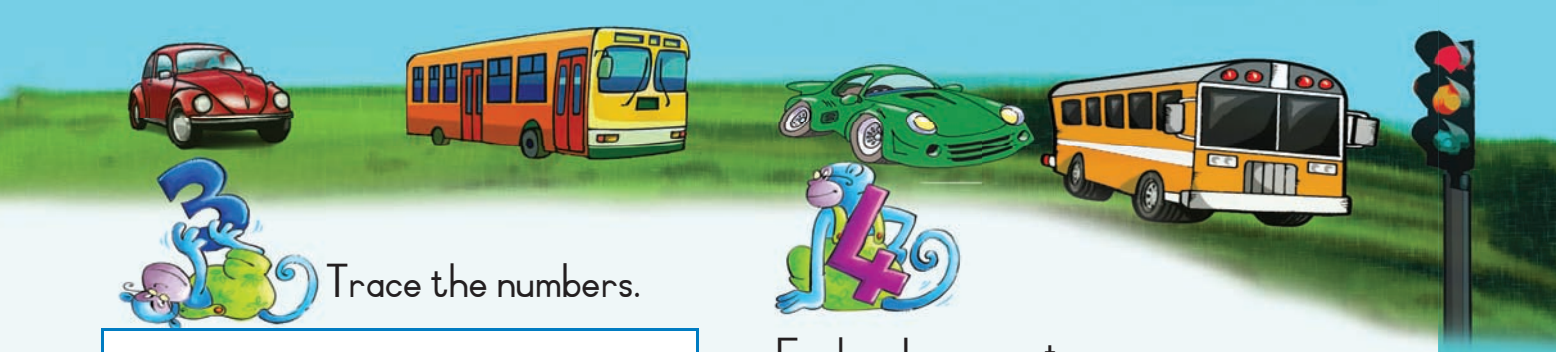
Circle only 10 apples.



How many apples are left?



0 1 2 3 4 5 6 7 8 9 10



Trace the numbers.

| | | | |
|---|---|---|---|
| II | II | II | II |
| eleven | | | |
| II | II | II | II |

Each column must add up to II. Fill in the missing numbers.

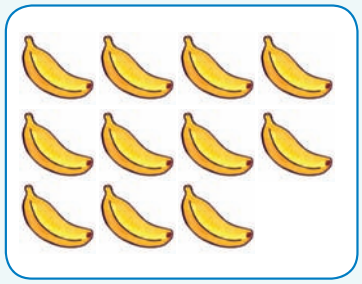
| | | |
|---|---|---|
| 3 | 5 | 4 |
| 4 | 5 | |
| 4 | | 2 |
| II | II | II |

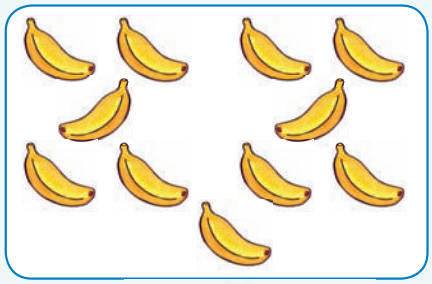
Draw II objects.

Fill in the missing numbers.

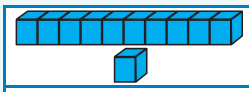
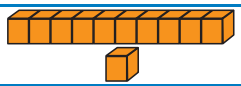
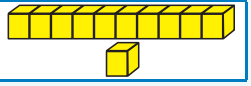
| | | | | |
|---|---|---|---|---|
| 1 | 2 | | 4 | |

Count the objects.





Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
|  | | eleven |
| | II | eleven |
| II |  | |
| | eleven |  |

What is one less than II?

_____

What is one more than II?

_____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Understand number 12

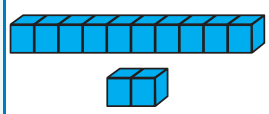
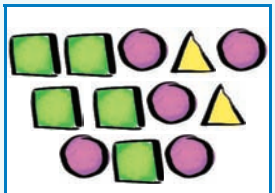
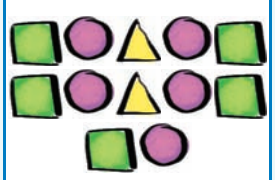
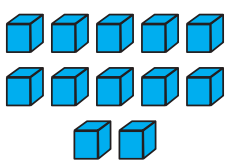
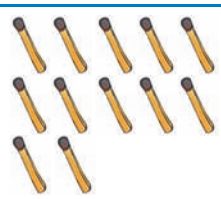
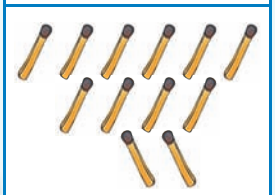


## Revision:

Practice writing the numbers.

| | |
|---|---|
| three | 3 3 |
| four | 4 4 |

## 1 Match the pictures.

| | |
|---|---|
|  |  |
|  | 12 |
| 10 2 |  |
| 12 |  |
|  | 10 2 |

## 2 Circle the objects.

Circle only 10 shoes.

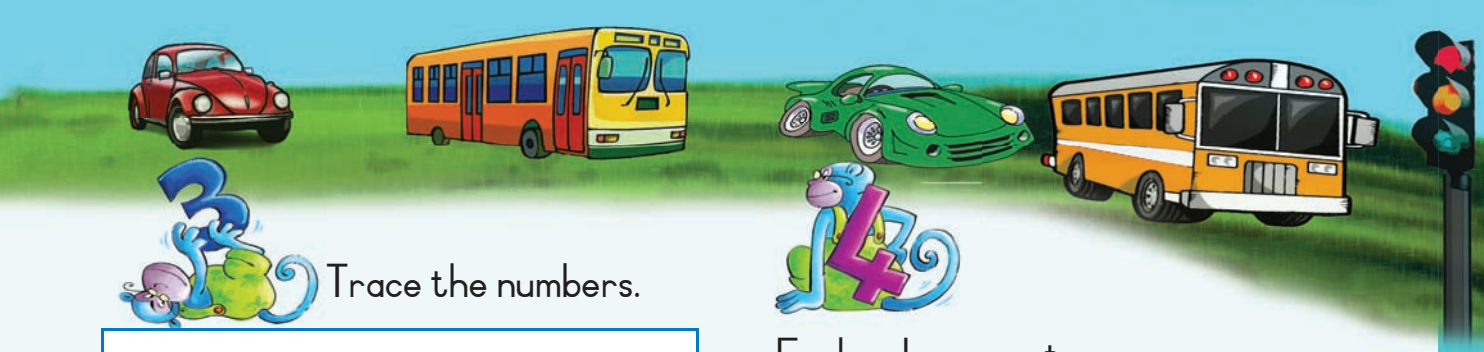
How many shoes are left?

Circle only 12 sea shells.

How many sea shells are left?



0 1 2 3 4 5 6 7 8 9 10



## Trace the numbers.

| | | | |
|---|---|---|---|
| 12 | 12 | 12 | 12 |
| twelve | | | |
| 12 | 12 | 12 | 12 |

## Each column must add up to 12. Fill in the missing numbers.

| | | |
|---|---|---|
| | 7 | 6 |
| 4 | | 4 |
| 3 | 2 | |
| 12 | 12 | 12 |

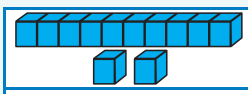
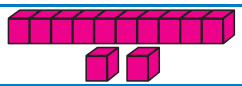
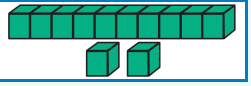
## Draw 12 objects.

## Fill in the missing numbers.

| | | | | | |
|---|---|---|---|---|---|
| 3 | | 5 | | | |
| 8 | | | 11 | | |

## Count the objects.

## Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
|  | | twelve |
| | 12 | twelve |
| |  | 12 |
| | twelve |  |

## What is one less than 12?

_____

## What is one more than 12?

_____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Understand number 13



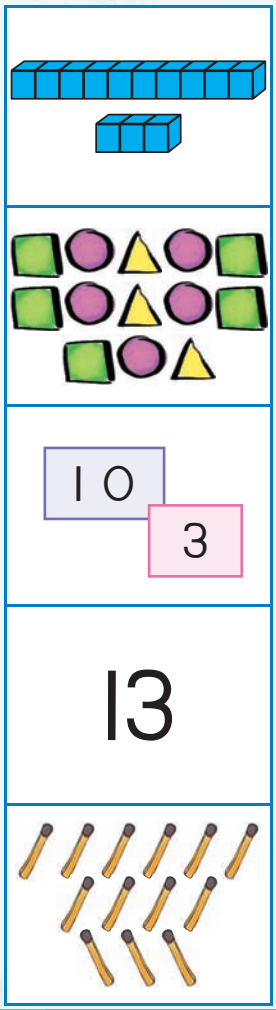
## Revision:

Practice writing the numbers.

five — 5 5

six — 6 6

Match the pictures.

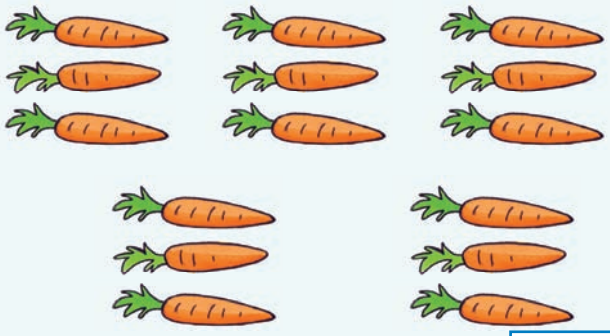


Circle the objects.

Circle only 10 cats.

How many cats are left?

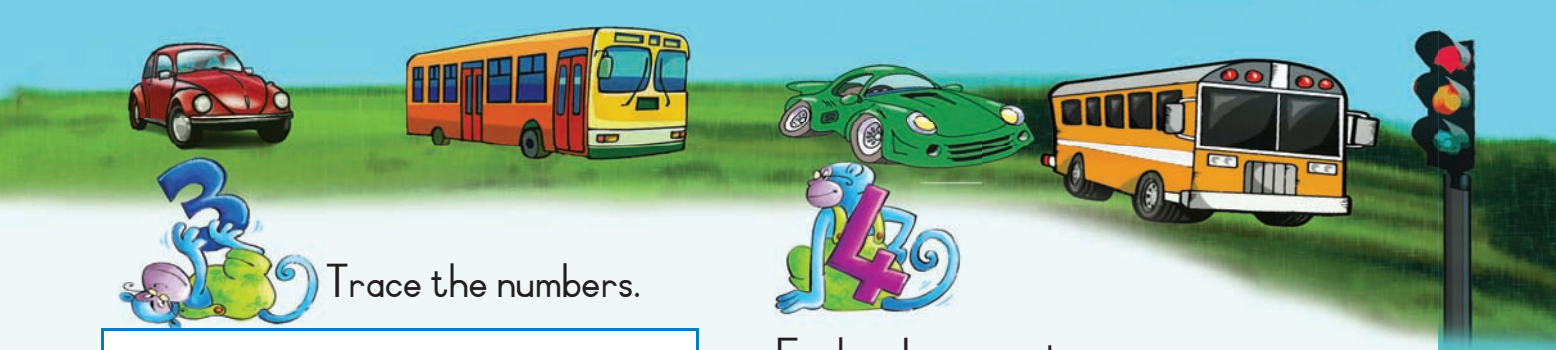
Circle only 13 carrots.



How many carrots are left?



0 1 2 3 4 5 6 7 8 9 10



Trace the numbers.

| | | | |
|---|---|---|---|
| 13 | 13 | 13 | 13 |
| | thirteen | | |
| 13 | 13 | 13 | 13 |

Each column must add up to 13.
Fill in the missing numbers.

| | | |
|---|---|---|
| 1 | 2 | 6 |
| 1 | | |
| | 3 | 2 |
| 13 | 13 | 13 |

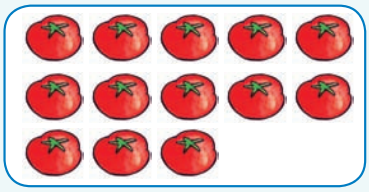
Draw 13 objects.

Now draw them in a different way.

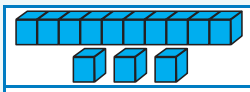
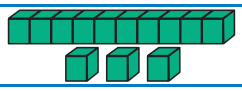
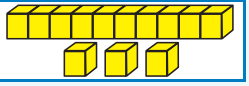
Fill in the missing numbers.

| | | | | |
|---|---|---|---|---|
| | 10 | | 12 | |

Count the objects.



Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
|  | | thirteen |
| | 13 | thirteen |
| 13 |  | |
| | thirteen |  |

What is one less than 13?

_____

What is one more than 13?

_____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

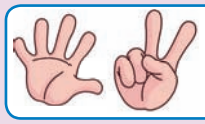
Date:

# Understand number 14



## Revision:

Practice writing the numbers.

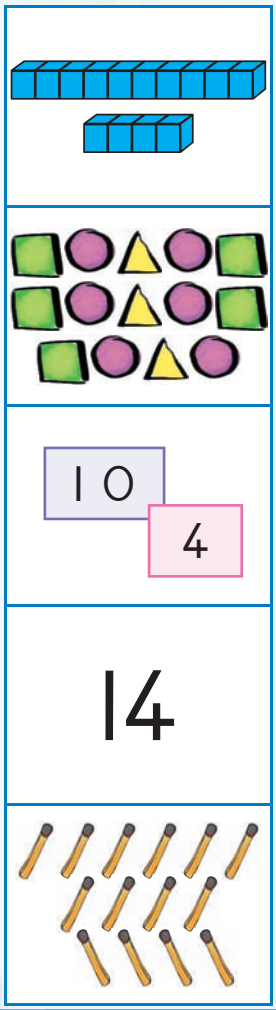
 seven

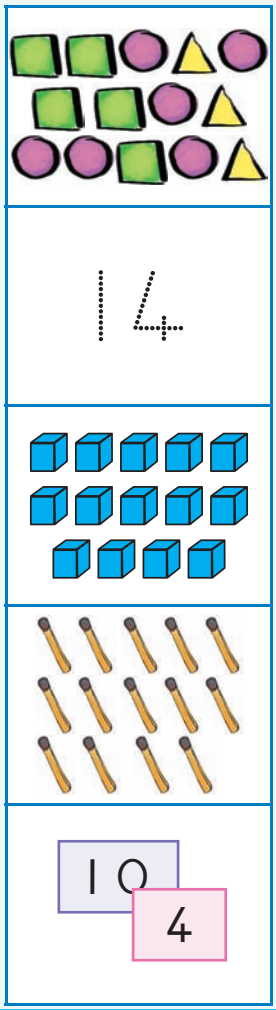
7 7

eight

8 8

Match the pictures.



Circle the objects.

Circle only 10 butterflies.

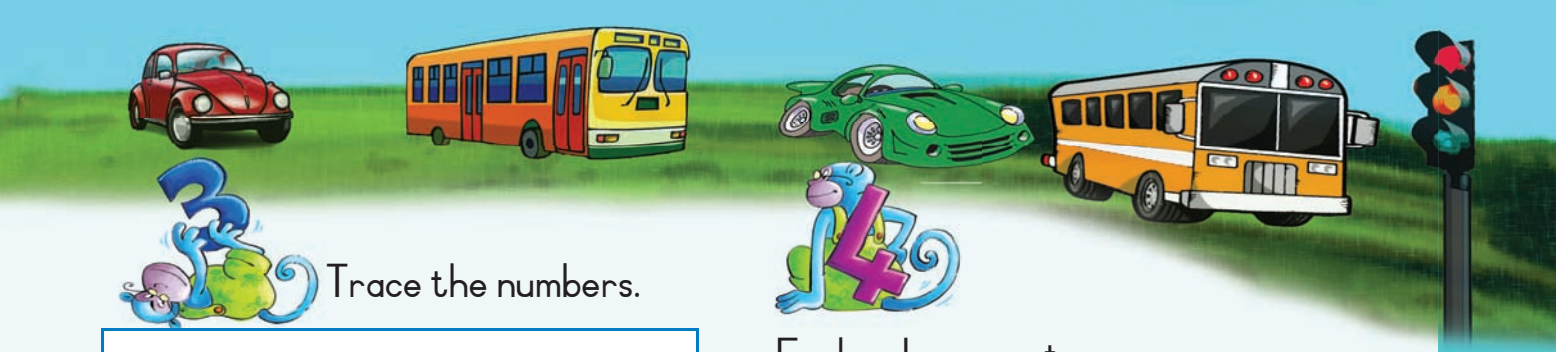
How many butterflies are left?

Circle only 14 dresses.

How many dresses are left?



0 1 2 3 4 5 6 7 8 9 10



Trace the numbers.

| | | | |
|---|---|---|---|
| 14 | 14 | 14 | 14 |
| fourteen | | | |
| 14 | 14 | 14 | 14 |

Each column must add up to 14. Fill in the missing numbers.

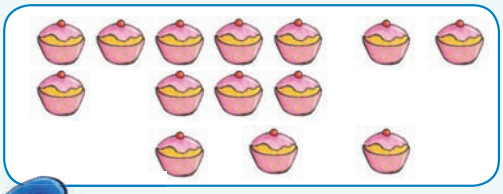
| | | |
|---|---|---|
| 1 | | 2 |
| | 5 | 1 |
| 3 | 2 | |
| 14 | 14 | 14 |

Draw 14 objects.

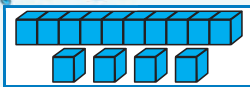
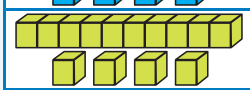
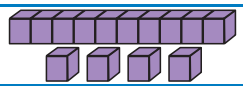
Now draw them in a different way.

Fill in the missing numbers.

Count the objects.



Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
|  | 14 | fourteen |
|  | | |
| 14 |  | |
| | fourteen | |

What is one less than 14?

_____

What is one more than 14?

_____

Teacher:
Sign:
Date:

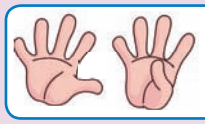
Date:

# Understand number 15

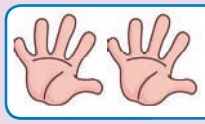


## Revision:

Practice writing the numbers.

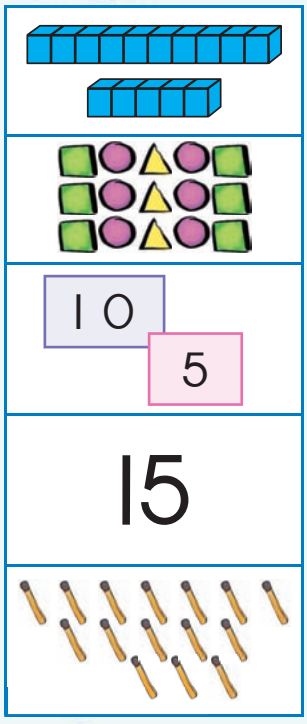
 nine

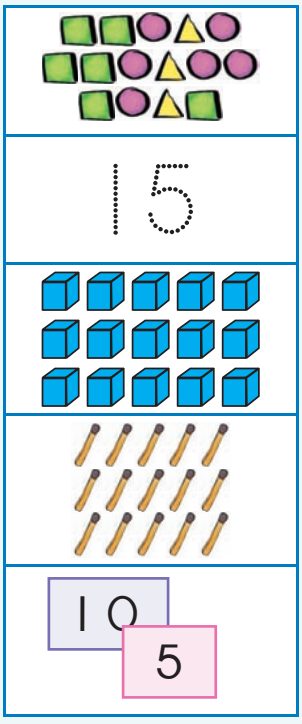
9 9

 ten

10 10

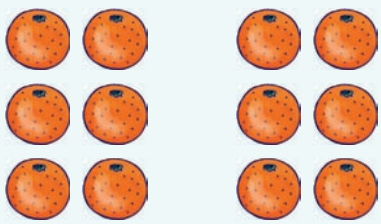
Match the pictures.



Circle the objects.

Circle only 10 oranges.

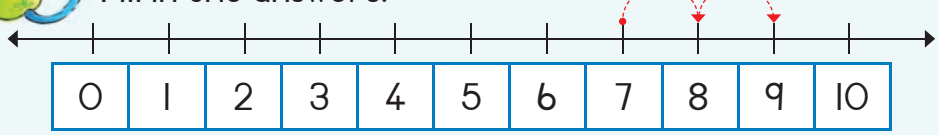


How many oranges are left?

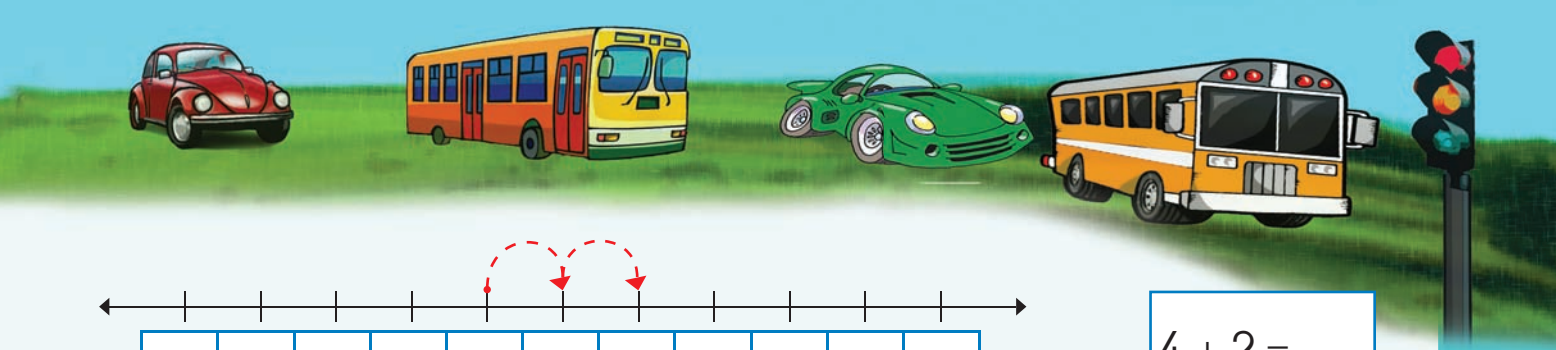
Circle only 15 stars.

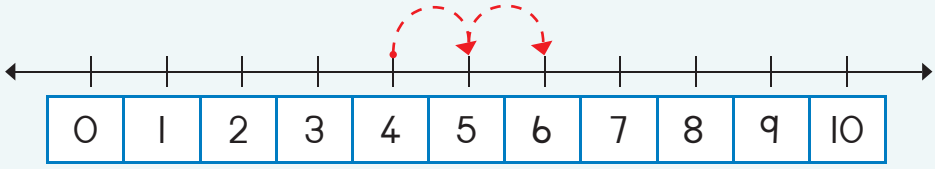
How many stars are left?

Fill in the answers.




7 + 2 =






4 + 2 =

Trace the numbers.

| | | | |
|---|---|---|---|
| 15 | 15 | 15 | 15 |
| fifteen | | | |
| 15 | 15 | 15 | 15 |

Draw 15 objects.

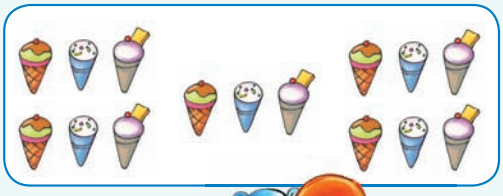
Now draw it in a different way.

Fill in the missing numbers.

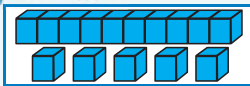
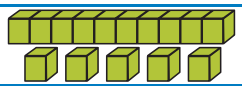
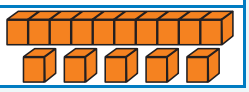
11 12 13 ___ 15

15 ___ 13 12 ___

Count the objects.



Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
|  | 15 | fifteen |
| | | |
| |  | fifteen |
| 15 | |  |

What is one less than 15?

_____

What is one more than 15?

_____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Addition up to 20 – counting on



## Revision:

Practice writing the number name.

6 six

Look at the picture and write a number sentence for each.

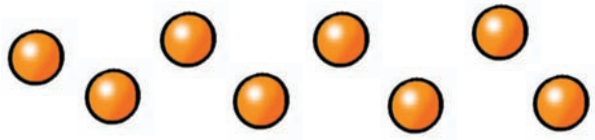
Lisa has 3 sweets. Mandla has 5 sweets. How many sweets do they have altogether?

Let us count:

3 ... 4 5 6 7 8

☐ + ☐ = ☐

I had 8 marbles and lost 4 of them. How many marbles do I have left?

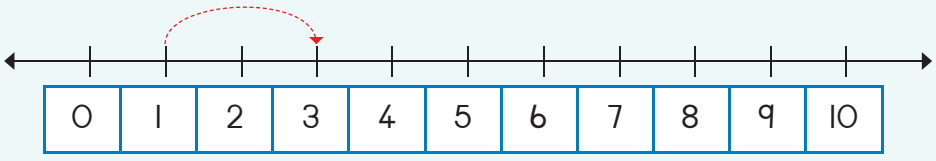


Let us count backwards:

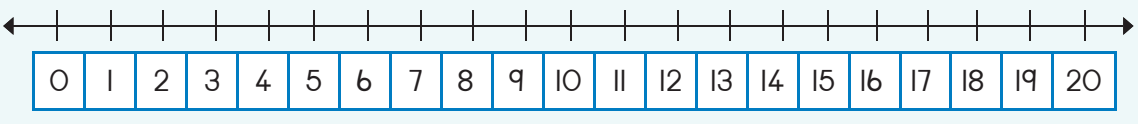
8 ... 7 6 5 4

☐ – ☐ = ☐

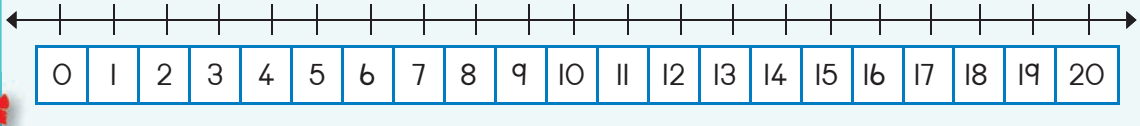
Fill in the answers.



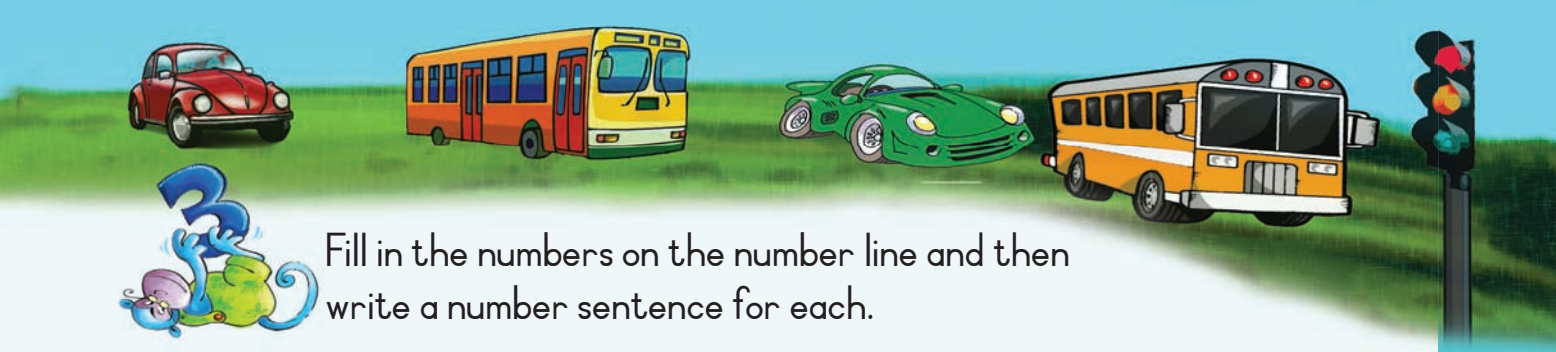

1 + 2 = ☐



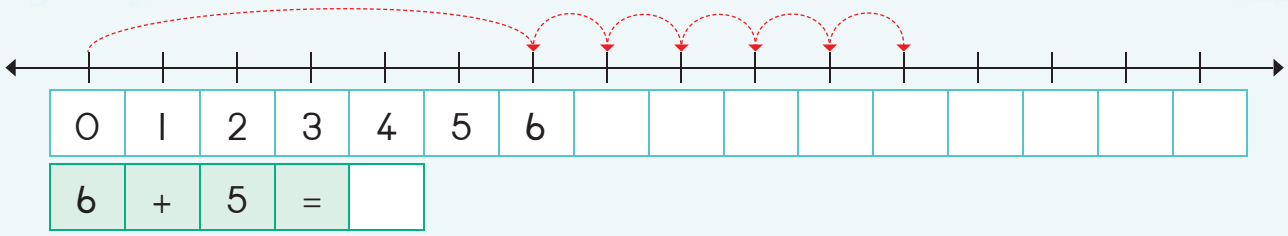

13 + 2 = ☐

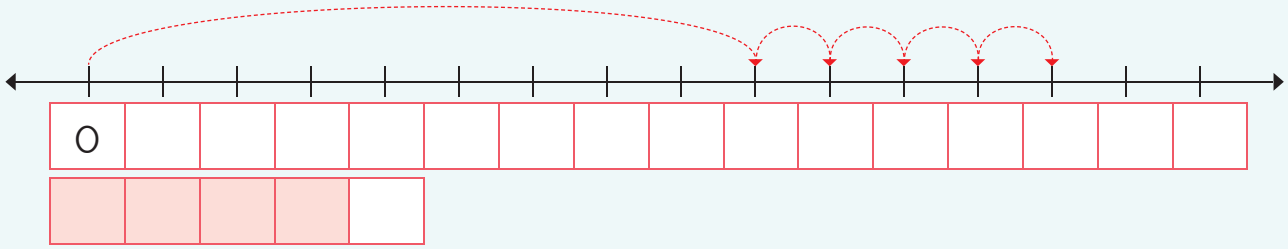


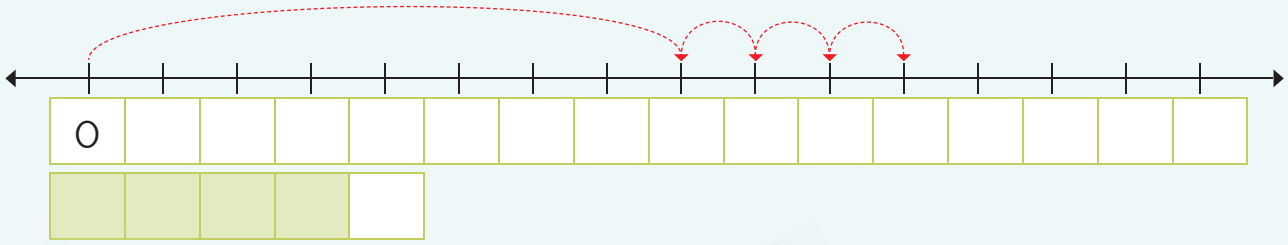

15 + 2 = ☐



Fill in the numbers on the number line and then write a number sentence for each.




Count on 2.

| | |
|---|---|
| 3 | 5 |
| 4 | |
| 2 | |

| | |
|---|---|
| 7 | |
| 8 | |
| 6 | |

Fill in the numbers.

I am 7 years old.
How old will I be in 5 years time?

| | | | | | |
|---|---|---|---|---|---|
| 7 | | | | | |

I will be _____ years old.

Help the spider to finish the sum.

| | | |
|---|---|---|
| 6 | +5 | |
| 8 | | |
| 7 | | |
| 0 | | |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Addition – building up and breaking down numbers up to 10



## Revision:

Practice writing the number name.

| | |
|---|---|
| 7 | seven |

Fill in the answer.

3 + 3 = ☐

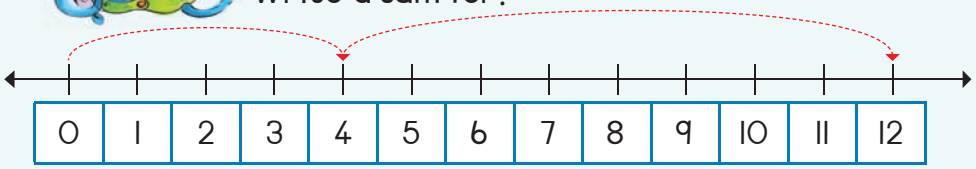
0 + 5 = ☐

3 + 2 + 1 = ☐

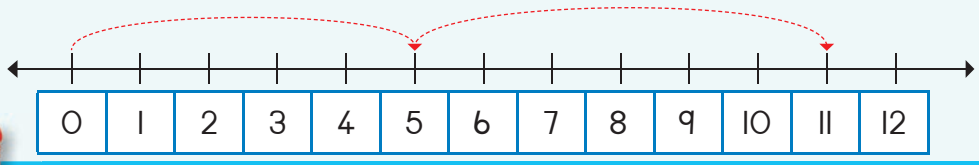
Colour to show the following.

| | |
|---|---|
| 3 + 9 | ●●●●●●●●●●●● |
| 4 + 8 | ○○○○○○○○○○○○ |
| 5 + 7 | ○○○○○○○○○○○○ |
| 6 + 6 | ○○○○○○○○○○○○ |
| 7 + 5 | ○○○○○○○○○○○○ |

Write a sum for:



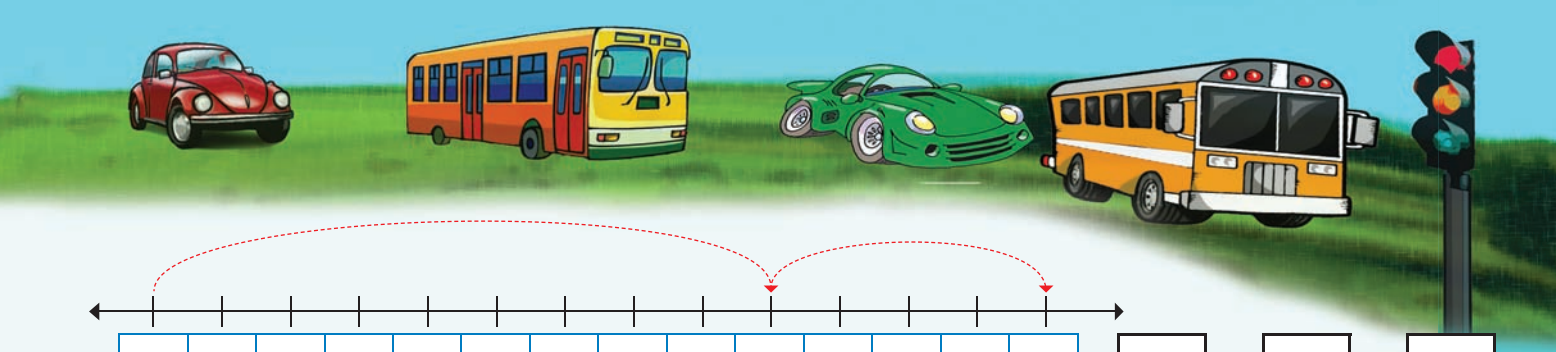

☐ + ☐ = ☐

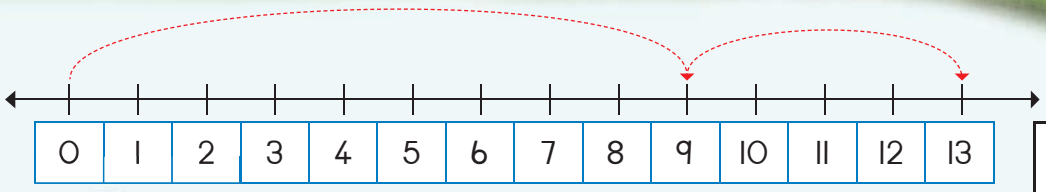



☐ + ☐ = ☐



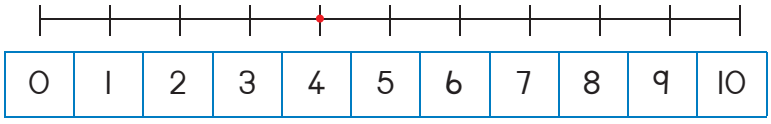
0 1 2 3 4 5 6 7 8 9 10



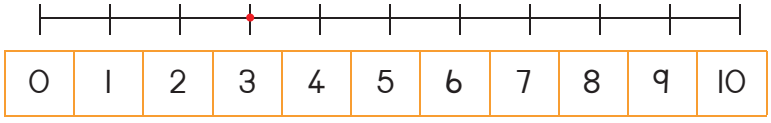



☐ + ☐ = ☐

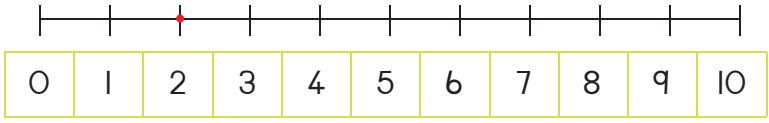
Complete the number line and fill in the answer.



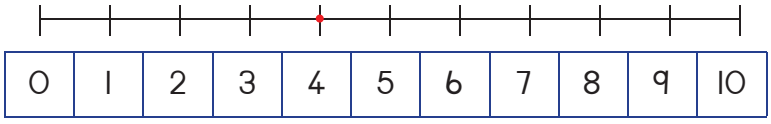

4 + 5 + 1 = ☐




3 + 3 + 2 = ☐




2 + 4 + 3 = ☐




4 + 3 + 2 = ☐

Solve the following by drawing the pictures.

I have 5 marbles and my friend has 8. How many marbles do we have altogether?

☐ + ☐ = ☐

I got 9 flowers for our teacher and my friend got 6 flowers. How many flowers did we get altogether?

☐ + ☐ = ☐

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Addition – building up and breaking down numbers up to 20



## Revision:

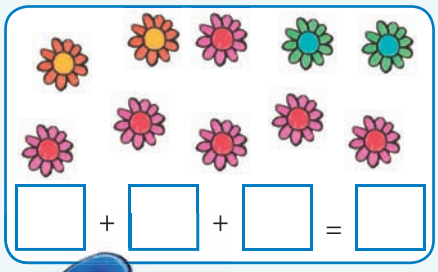
Practice writing the number name.

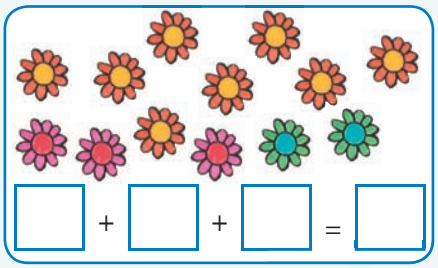
| 8 | eight |
|---|---|

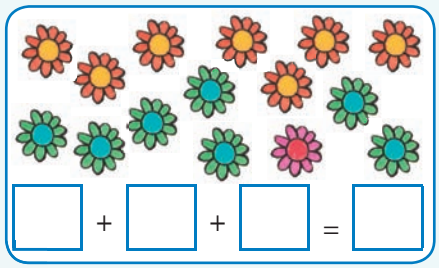
Fill in the answer.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0 + 2 = | | 2 + 2 = | | 4 + 2 = | | 6 + 2 = | | 8 + 2 = | |
| 10 + 2 = | | 12 + 2 = | | 14 + 2 = | | 16 + 2 = | | 18 + 2 = | |

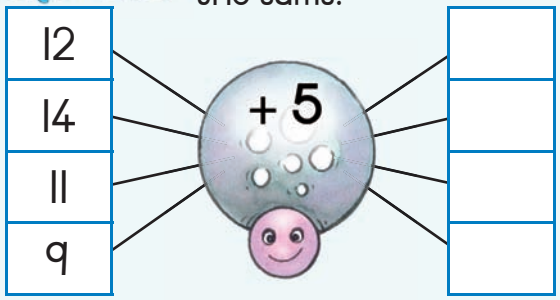
Use the different colour flowers to make your own number sentences.



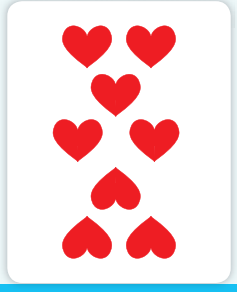




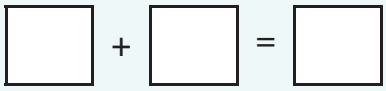
Help the spider to finish the sums.



How many hearts?

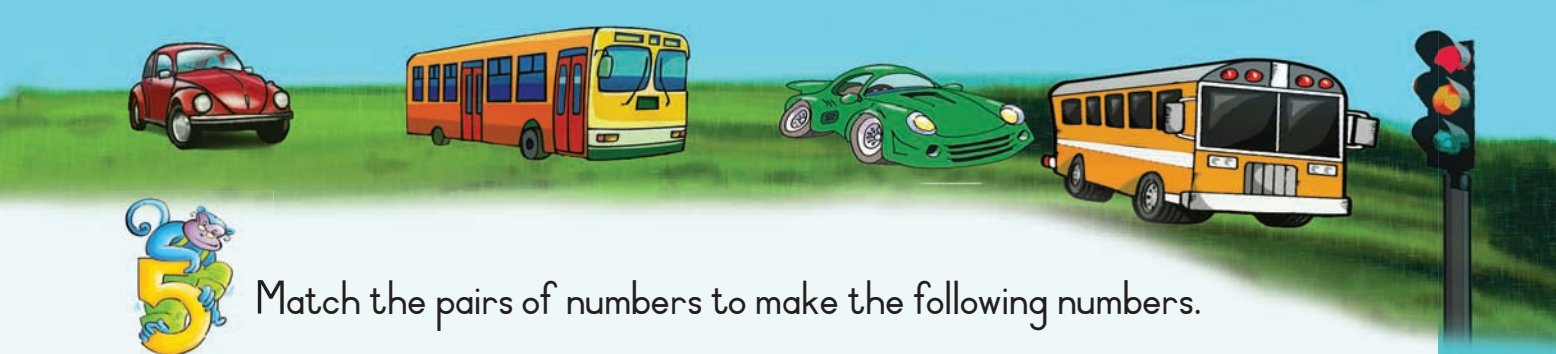


Make your own sum.





0 1 2 3 4 5 6 7 8 9 10



## 5 Match the pairs of numbers to make the following numbers.

**13**

| | |
|---|---|
| 7 | 5 |
| 8 | 4 |
| 9 | 6 |
| 10 | 2 |
| 11 | 3 |

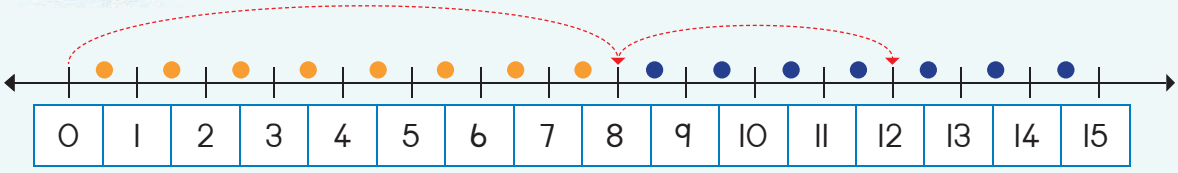
**11**

| | |
|---|---|
| 6 | 7 |
| 7 | 4 |
| 3 | 8 |
| 4 | 5 |
| 5 | 6 |

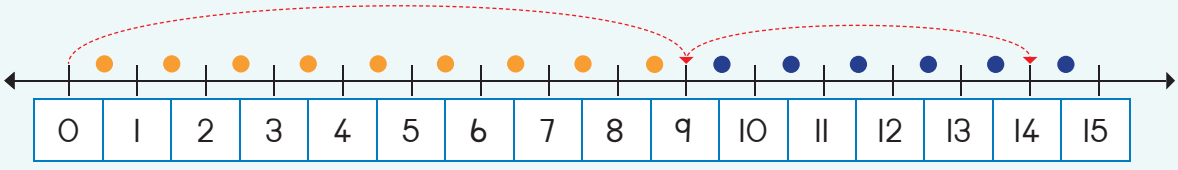
**12**

| | |
|---|---|
| 8 | 6 |
| 10 | 1 |
| 4 | 8 |
| 11 | 4 |
| 6 | 2 |

## Write a number sentence for:




□ + □ = □




□ + □ = □

### Revision:

Revision: Colour in the correct answer.

| | | | |
|---|---|---|---|
| | | | |
| front view | front view | front view | front view |
| back view | back view | back view | back view |
| side view | side view | side view | side view |

Teacher:
Sign:
Date:

Date:

# Addition and subtraction – building up and breaking down

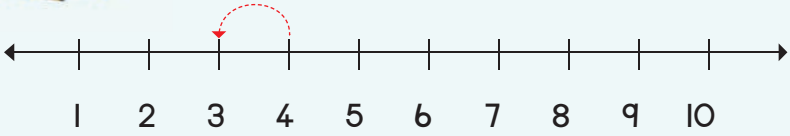


## Revision:

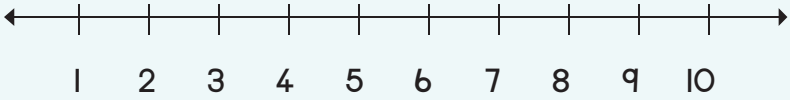
Practice writing the number name.

| 9 | nine |
|---|---|

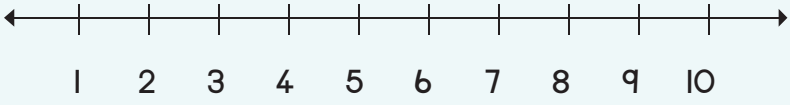
Fill in the answer.



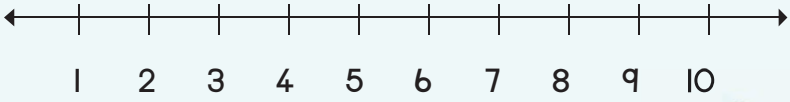

4 – 1 = ☐




5 – 3 = ☐

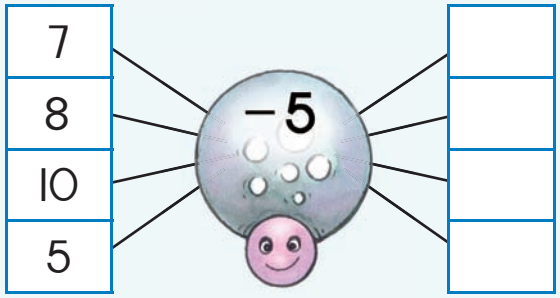



4 – 2 = ☐

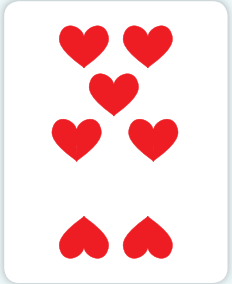



5 – 2 = ☐

Help the spider to finish the sums.

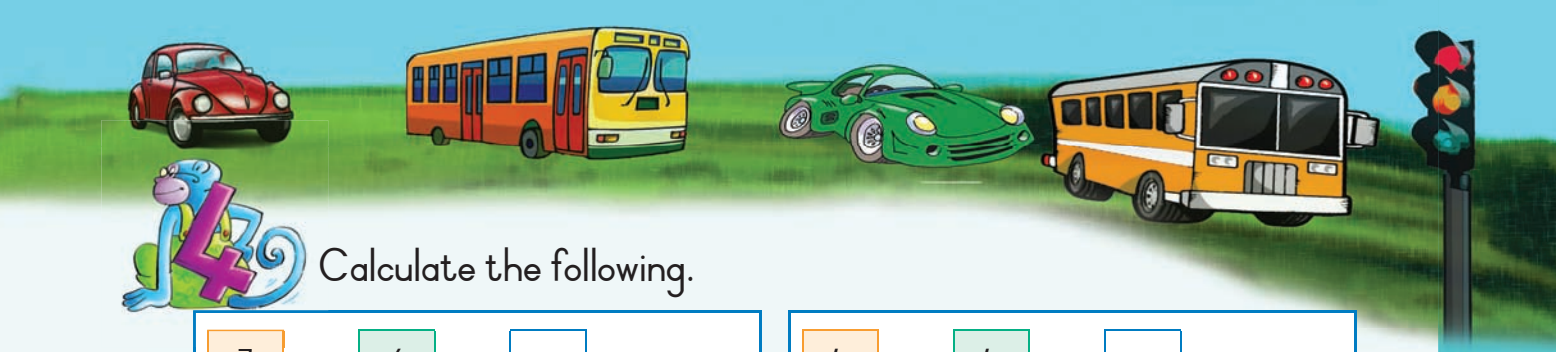


How many hearts?



Make your own sum.

☐ + ☐ = ☐



## 4 Calculate the following.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 7 | + | 4 | = | | 6 | + | 6 | = | |
| 7 | + | 4 | + | 1 | = | | 6 | + | | + | | = | |
| 10 | + | 1 | = | | | 10 | + | | = | |
| 13 | – | 6 | = | | 12 | – | 8 | = | |
| 13 | – | 3 | + | 3 | = | | | – | | + | | = | |
| 10 | – | 3 | = | | | 10 | – | 3 | = | |

## 5 Write the answers and also colour in and draw.

8 + 6 = ☐

We can also show it as:

(8 + 2) + 4 = ☐ → 10 + 4 = ☐

15 – 7 = ☐

We can also show it as:

(15 – 5) – 2 = ☐ → 10 – 2 = ☐

9 + 4 = ☐

We can also show it as:

(9 + 1) + 3 = ☐ → ☐

14 – 5 = ☐

We can also show it as:

( – ) – 1 = ☐ → 10 – 1 = ☐

### Revision:

Practice writing the number name.

| | |
|---|---|
| 10 | ten |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Length

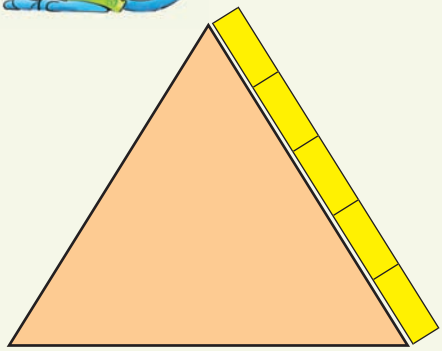


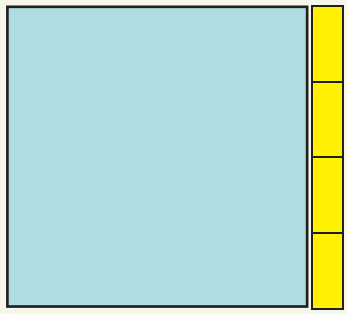
1 Look at the picture then answer the questions.

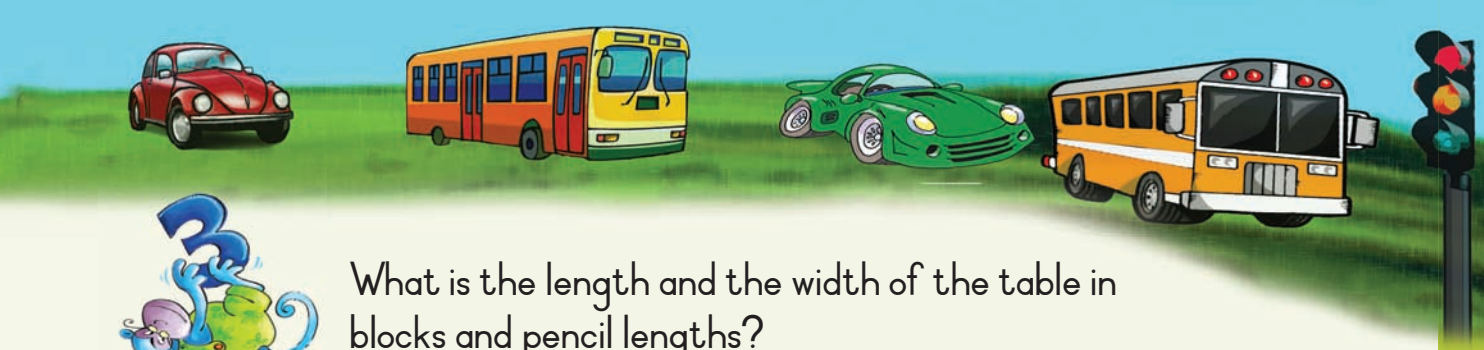
| Jabu | Pam | Nomsa | Ken |
|---|---|---|---|
| | | | |

| Who is the tallest? | Who is the shortest boy? |
|---|---|
| | |
| **Who is the shortest?** | **Who is the tallest girl?** |
| | |

2 How many blocks long are the sides of these shapes?







What is the length and the width of the table in blocks and pencil lengths?

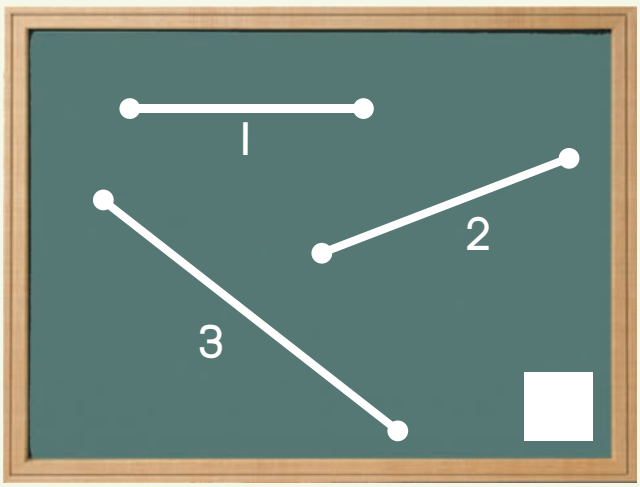
The width is _____ blocks.

The length is _____ blocks.

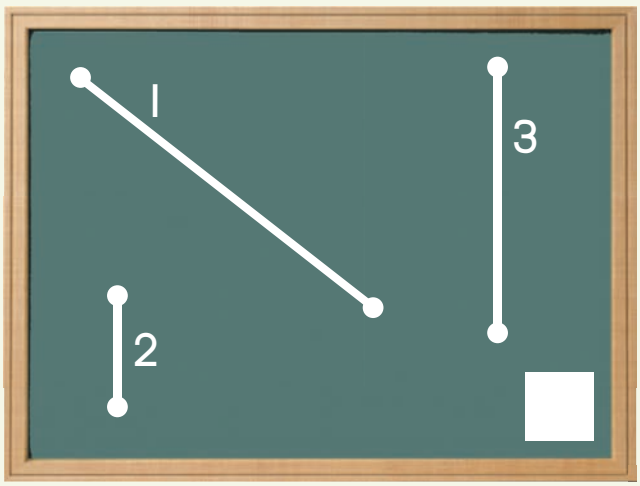
The width is _____ pencils.

The length is _____ pencils.

Which line is the shortest?
Line 1, 2 or 3?




Which line is the longest?
Line 1, 2 or 3?




Teacher:
Sign:
Date:

Date:

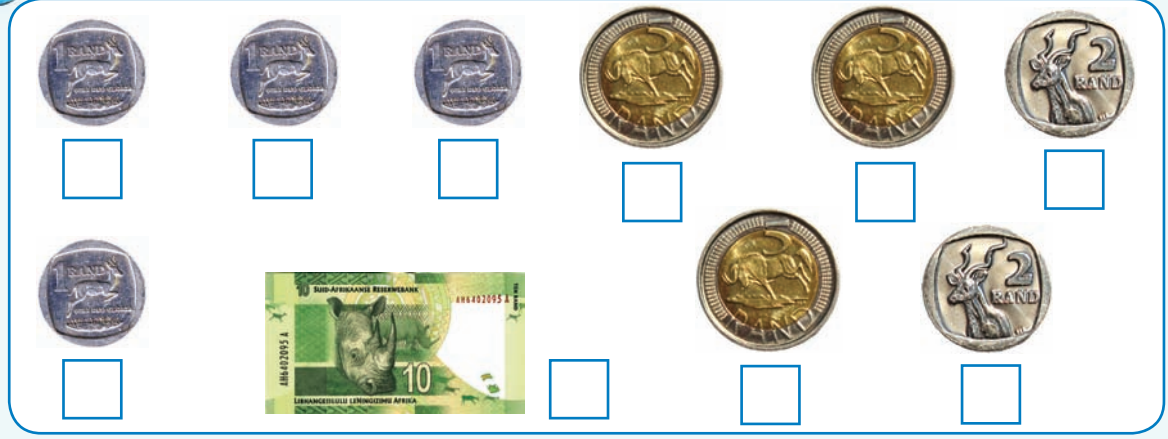
# Money and change

Term 3

## 1 Tick the highest amount in each row.

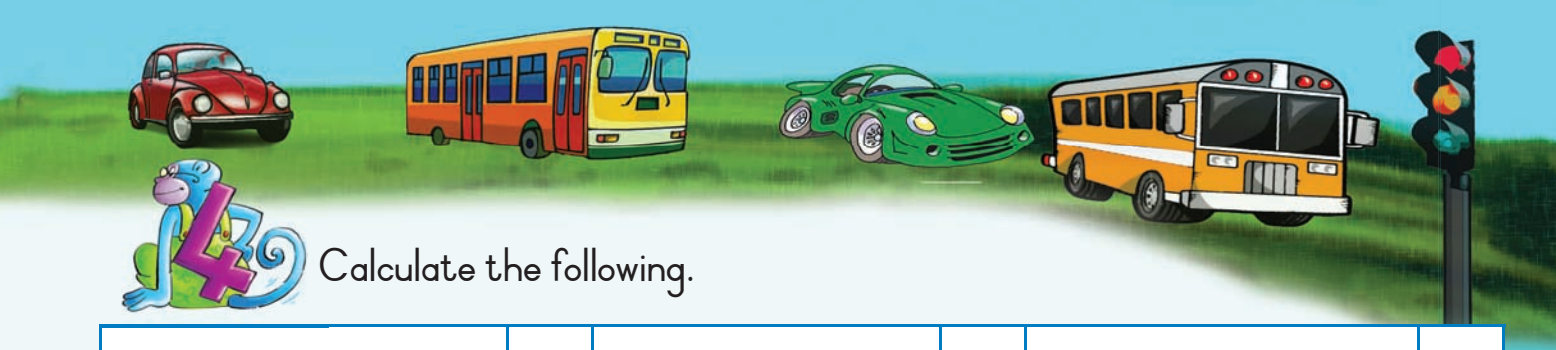
## 2 Tick the coins that will give you R10.

## 3 Tick the coins that will give you R20.






0 1 2 3 4 5 6 7 8 9 10



## 4 Calculate the following.

| | | | | | |
|---|---|---|---|---|---|
| R5 + RIO = | | R5 + R2 + R8 = | | RIO + RIO = | |
| R3 + RIO + R2 + R2 = | | R5 + R7 + RI + R5 = | | RIO + RI + R5 + R2 = | |

## 5 Solve the following:

I have a R2 coin and a R5 coin. My friend has three R2 coins. Who has the most money?

I have a R5 and a RI coin. My friend has three R5 coins. Who has the most money?

## 6 I have RI5:

| I pay | Change |
|---|---|
| R4 + R 7 = RII | R4 |
| R6 + R 9 = | |
| R8 + R3 = | |
| R2 + RII = | |
| R3 + R8 = | |
| R6 + R8 = | |
| RO + R2 = | |
| R2 + R2 = | |
| R4 + R2 = | |
| R6 + R2 = | |

## 7 Calculate the following:

I have RI5. I buy a packet of chips for R6. How much money do I have left?

## 8 Make it R2 less.

| | | | |
|---|---|---|---|
| RII | | R4 | |
| RI2 | | R6 | |
| RIO | | R8 | |

Teacher:
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Date:

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Date:

# Money and change



1 Draw coins to make up:

| | |
|---|---|
| R11 | |
| R12 | |
| R13 | |
| R14 | |

2 Tick and fill in the correct answer.

R18 – R8 = R10

R12 – R2 = ☐

R15 – R4 = ☐

R14 – R7 = ☐

3 Calculate the following:

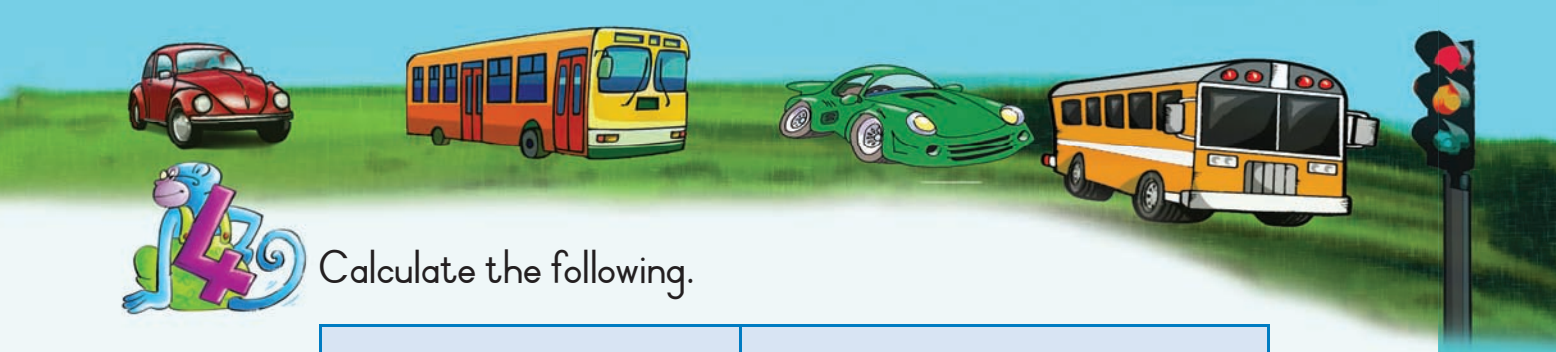
| | |
|---|---|
| R15 – R10 = | |
| R10 – R1 – R1 – R2 = | |

| | |
|---|---|
| R20 – R2 – R8 = | |
| R5 – R4 = | |

| | |
|---|---|
| R20 – R5 = | |
| R10 – R1 – R5 – R2 = | |



0 1 2 3 4 5 6 7 8 9 10





Calculate the following.

| I have R15. I buy for: | How much do I have left? |
|---|---|
| R2 and R4 = | R9 |
| R8 and R4 = | |
| R12 and R2 = | |
| R5 and R5 = | |
| R8 and R7 = | |
| R10 and R2 = | |
| R8 and R2 = | |
| R6 and R2 = | |
| R4 and R2 = | |
| R2 and R2 = | |
| R9 and R6 = | |
| R10 and R2 = | |

I have R15. I buy a bag of sweets for R11.
Make a drawing to show how much money you have left.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:



# Money: Addition and subtraction

## 1 Calculate the following:

| | | | | | |
|---|---|---|---|---|---|
| R10 + R2 = | | R10 + R5 = | | R10 + R1 = | |
| R10 + R4 = | | R10 + R7 = | | R10 + R6 = | |
| R9 + R5 = | | R8 + R4 = | | R7 + R6 = | |
| R12 + R5 = | | R14 + R2 = | | R11 + R6 = | |

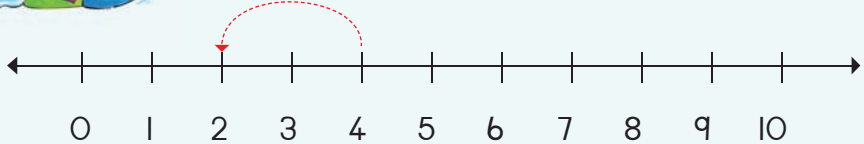
## 2 Calculate the following:

| | | | | | |
|---|---|---|---|---|---|
| R10 − R7 = | | R10 − R2 = | | R10 − R5 = | |
| R15 − R1 = | | R15 − R15 = | | R15 − R2 = | |
| R12 − R2 = | | R14 − R7 = | | R16 − R6 = | |
| R15 − R6 = | | R12 − R9 = | | R14 − R4 = | |

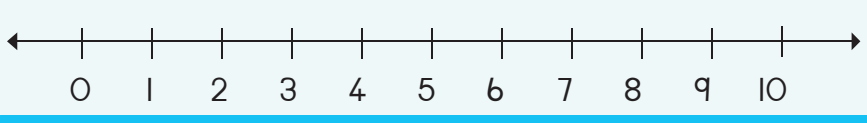
## 3 Help the spider to finish all the sums.

| | | |
|---|---|---|
| R16 | −R4 | |
| R14 | | |
| R10 | | |
| R12 | | |

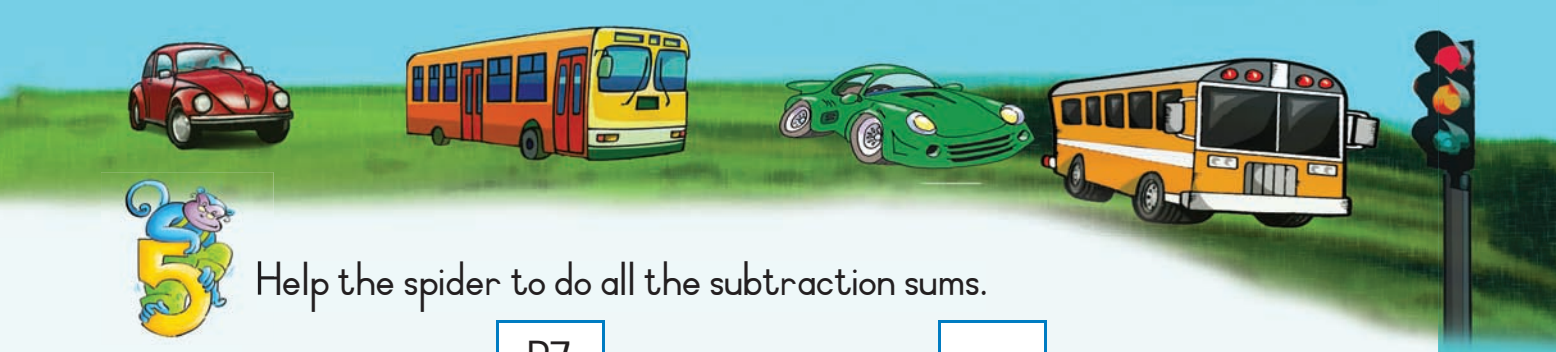
## 4 Make it R2 less.




R4 − R2 =




R7 − R2 =



5 Help the spider to do all the subtraction sums.

| | | |
|---|---|---|
| R7 | −R2 | |
| R5 | −R2 | |
| R2 | −R2 | |
| R9 | −R2 | |

6 Solve the following.

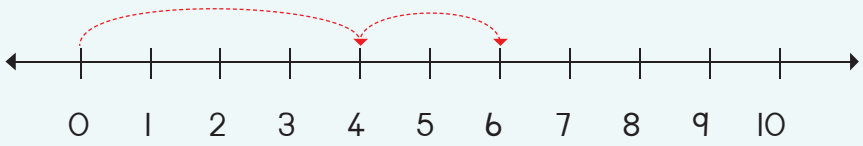
You had R12. Your mother gave you R5. How much money do you have now?

You have R19. You buy a sweet for R8. How much money do you have left?

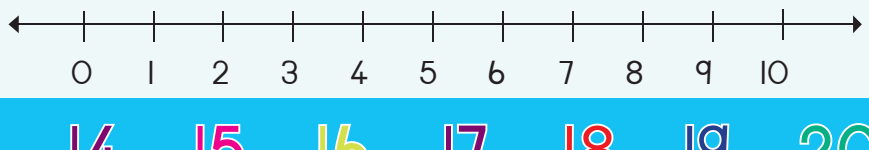
7 How much money have I saved?

8 Show the sum on the number line and calculate the answer.

R4 + R2 = ____




R8 + R2 = ____



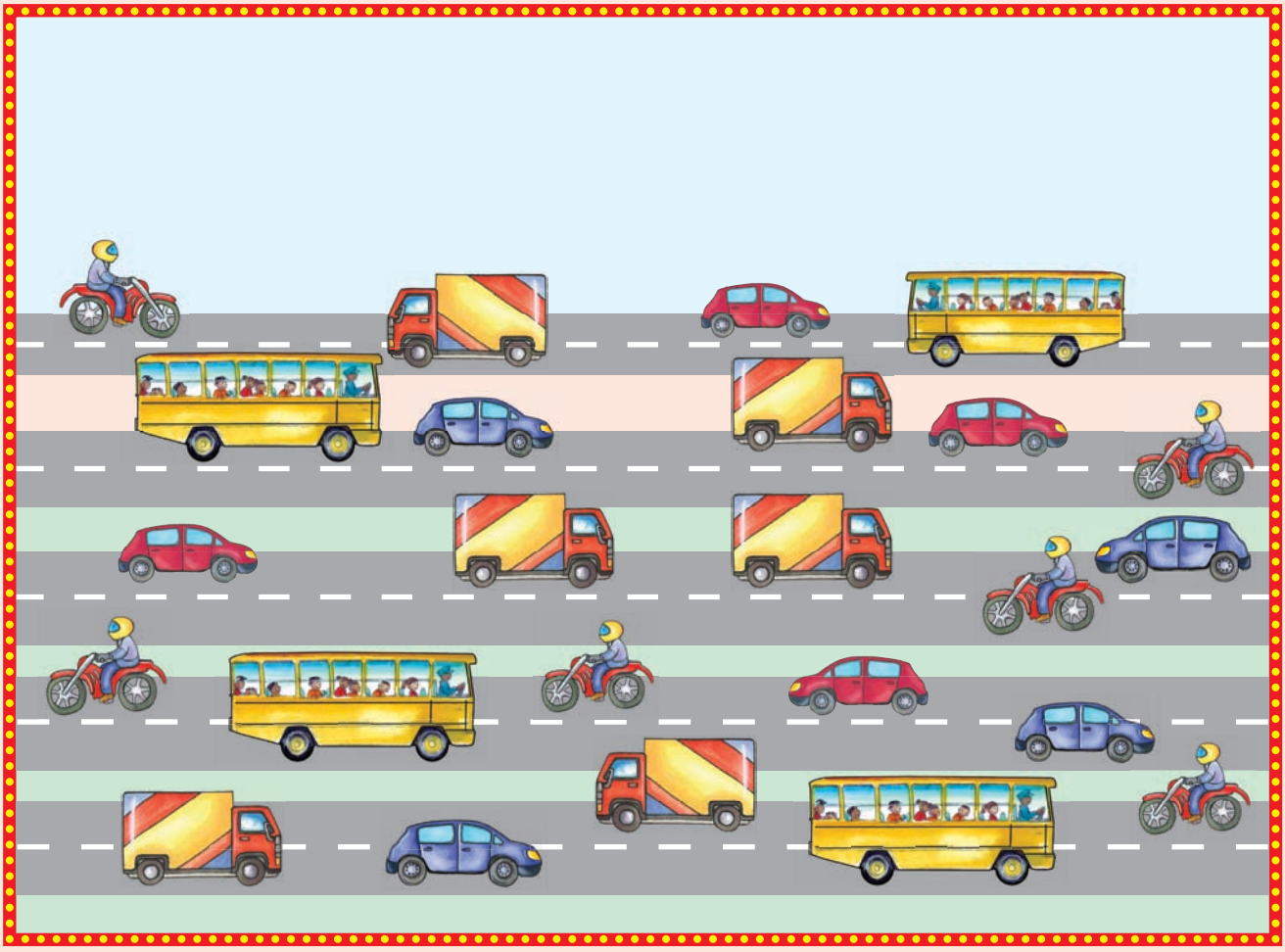

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Data

Count how many of each kind of vehicle you can see.



Count the shapes and colour in on the chart below to show how many there are of each. Then answer the questions.

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | | | | | | |
| 4 | | | | | | |
| 3 | | | | | | |
| 2 | | | | | | |
| 1 | | | | | | |
| | ▲ | ● | ■ | ♥ | ★ | ⬮ |

The _____ are the most.

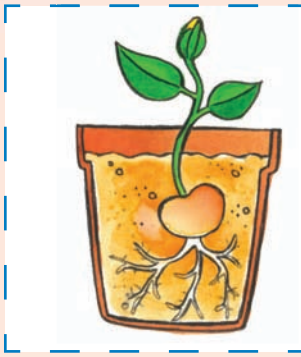
The _____ are the least.

Teacher:
Sign:
Date:

Date:

# Data and time

Talk about these pictures and then place them in the correct order.



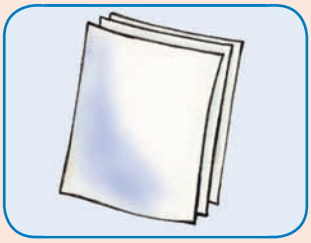
1

2

3

4

Use the sorting cards from Cut-out 1 to complete the pictograph.



| | | | |
|---|---|---|---|
| | | | |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Groups of fives up to 15



## Revision:

Practice writing the number name.

| 5 | five |
|---|---|

Look at the picture then answer the question.

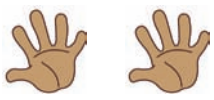
How many groups of 5 can you make?

Look at the picture.
This is how we can write it:

1 group of 5 is 5

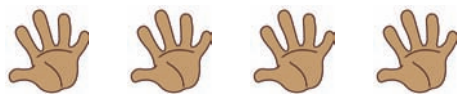
Draw your own here.

Count the fingers then fill in your answer.



5 + 5 =

5 + 5 + 5 =

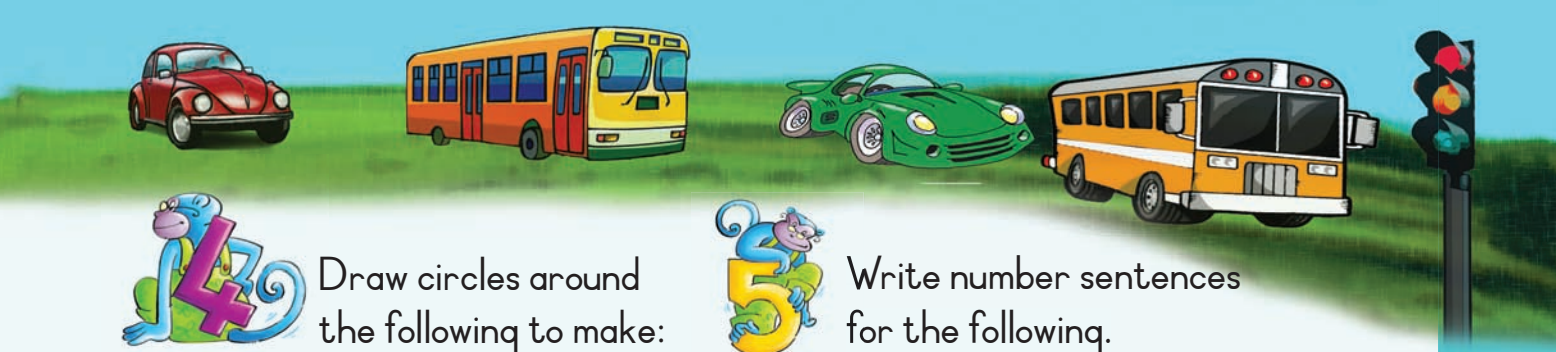


5 + 5 + 5 + 5 =

2 groups of five is 10

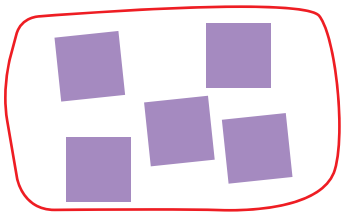


0 1 2 3 4 5 6 7 8 9 10

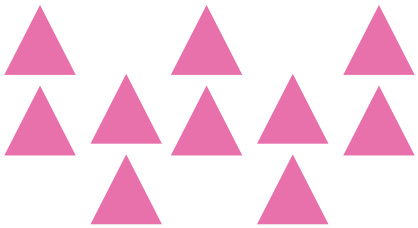


## 4 Draw circles around the following to make:

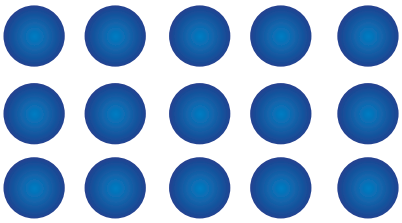
1 group of 5



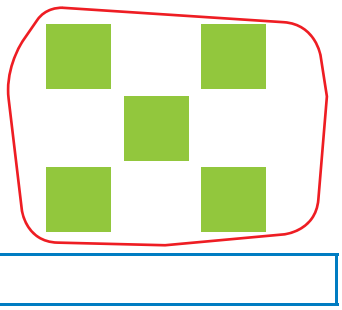
2 groups of 5

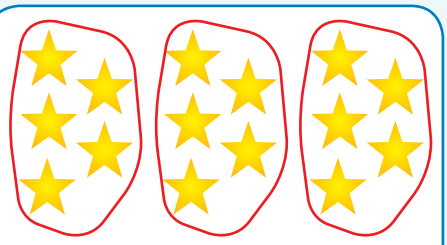


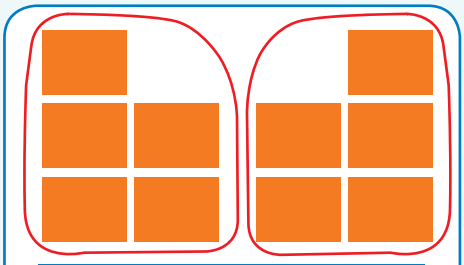
3 groups of 5



## 5 Write number sentences for the following.







## 6 How many groups of five can you make with?

| | | | | |
|---|---|---|---|---|
| 10 | and | 0 | | groups |
| 8 | and | 2 | | groups |
| 6 | and | 4 | | groups |
| 4 | and | 1 | | groups |
| 2 | and | 3 | | groups |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Fives: repeated addition up to 15



## Revision:

Revision: Fill in the missing numbers.

How many toes or fingers are there?
Write a number sentence for it.

Draw:

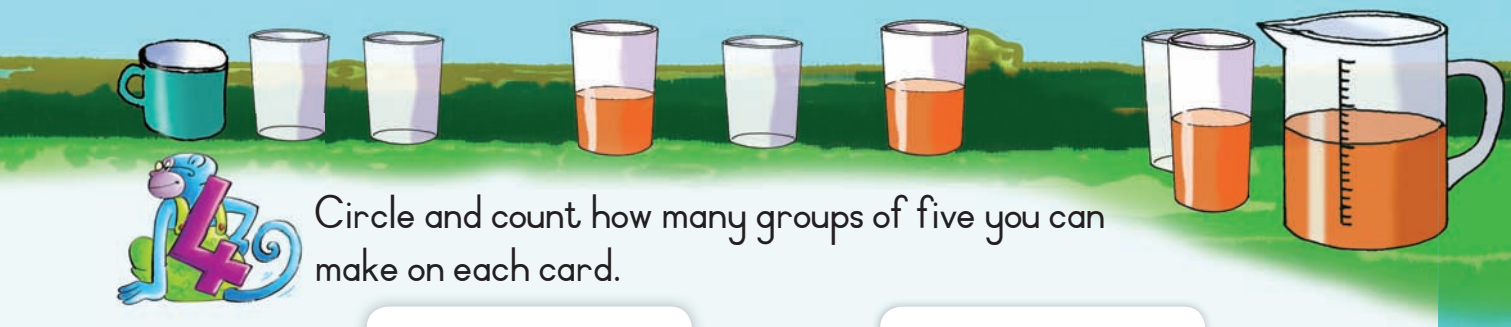
| A group of five bananas | Two groups of five flowers each |
| --- | --- |
| | |

Draw shapes for the following.

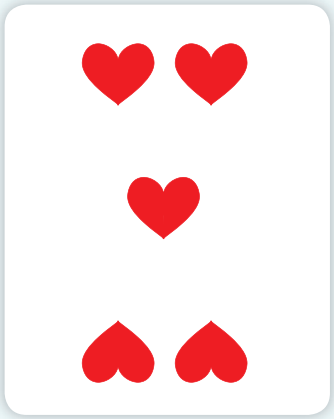
5 + 5 = 10

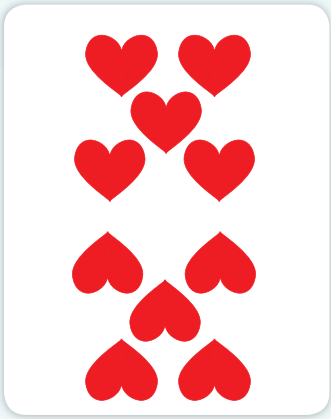
5 + 5 + 5 = ☐

0 1 2 3 4 5 6 7 8 9 10

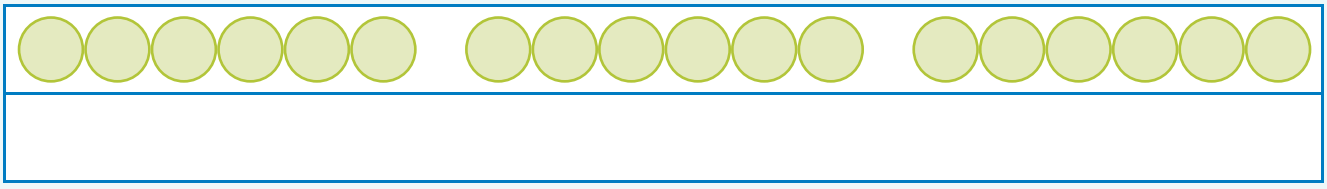


Circle and count how many groups of five you can make on each card.





Write a number sentence for:



Use different colours to show the numbers that you will use to make groups of five.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | | | | | |

How many groups of five can you make?

| | | | | | |
|---|---|---|---|---|---|
| 1 | and | 14 | will make | | groups |
| 13 | and | 2 | will make | | groups |
| 8 | and | 2 | will make | | groups |
| 7 | and | 8 | will make | | groups |
| 9 | and | 2 | will make | | groups |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

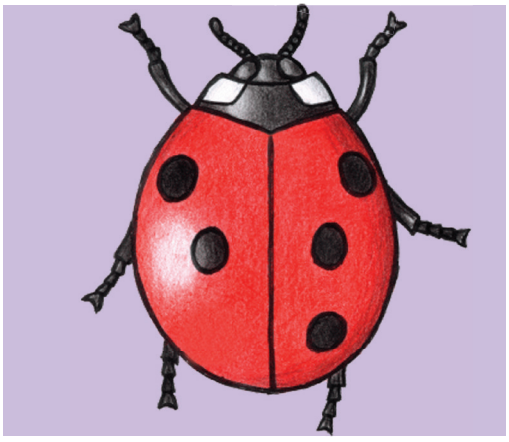
Date:

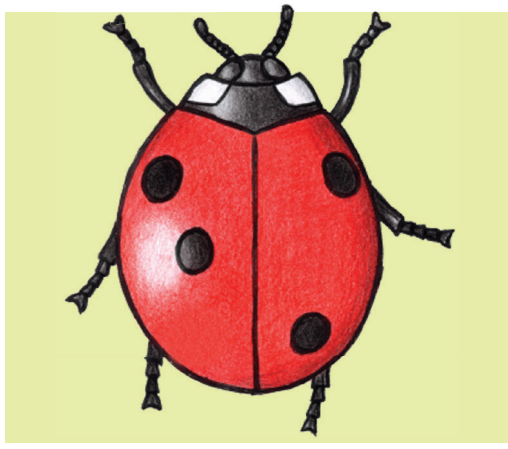
# Fives up to 15

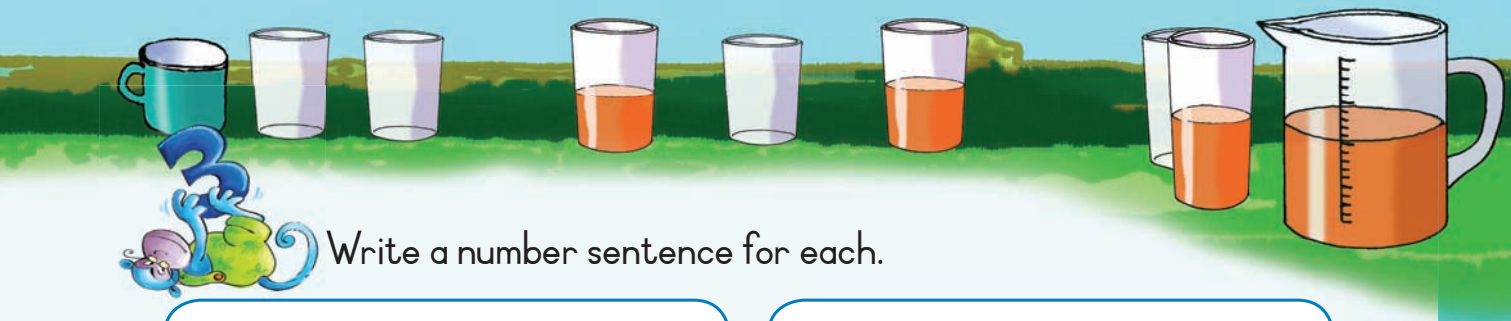
Fill in the missing numbers.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 3 | | 5 | | 7 | 8 | 9 | |
| 11 | 12 | | | | | | | | |

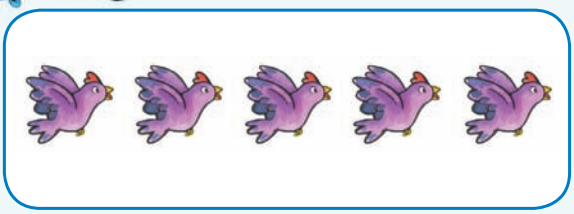
Make groups of five.
Each ladybird has to have a group of five black dots on each wing.
Draw the missing dots.

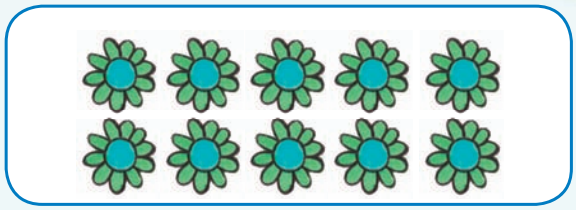


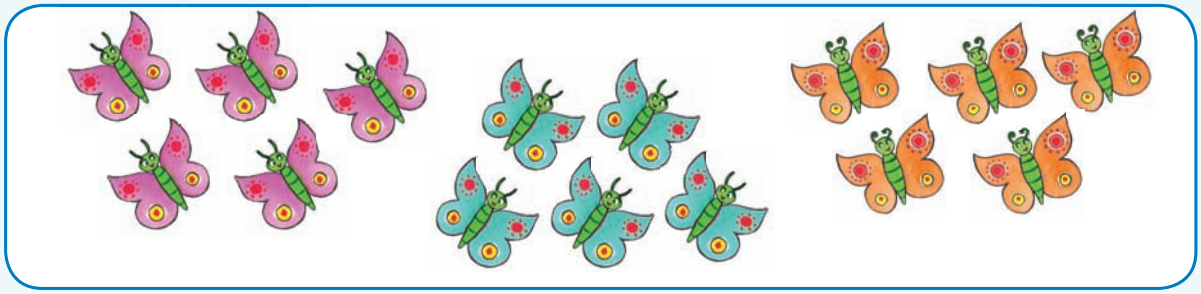




Write a number sentence for each.





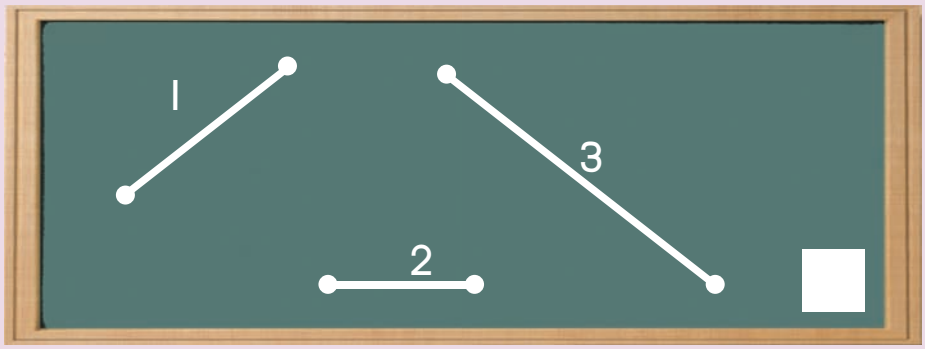


Calculate the following:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0 | + | 5 | = | | 5 | + | 5 | + | 5 | = | |
| 5 | + | 5 | = | | 5 | + | 5 | + | 5 | + | 5 | = | |

## Revision:

Revision: Which line is the longest?




Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

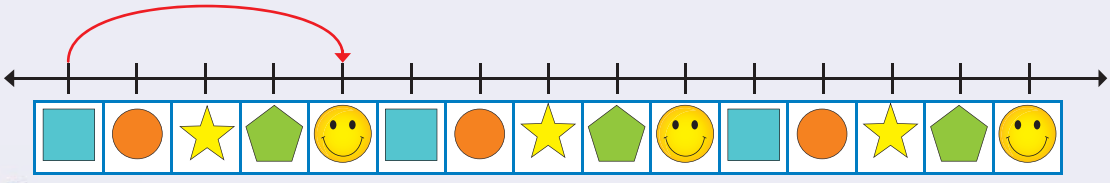
# Number patterns of fives up to 50



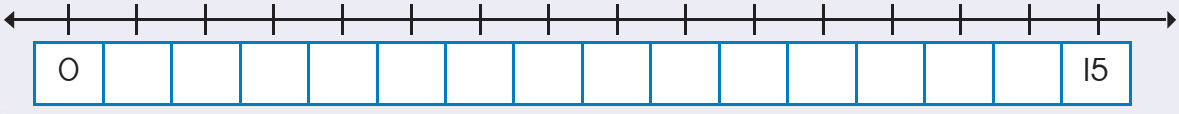
Complete the fives pattern by colouring in the numbers.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

Draw hoops to show the groups of five.

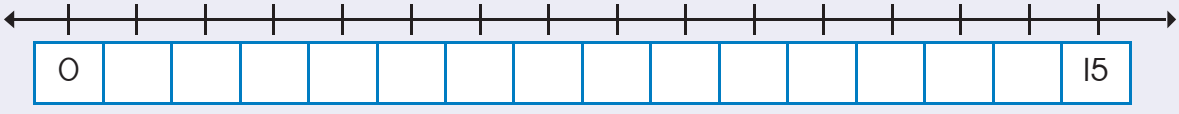


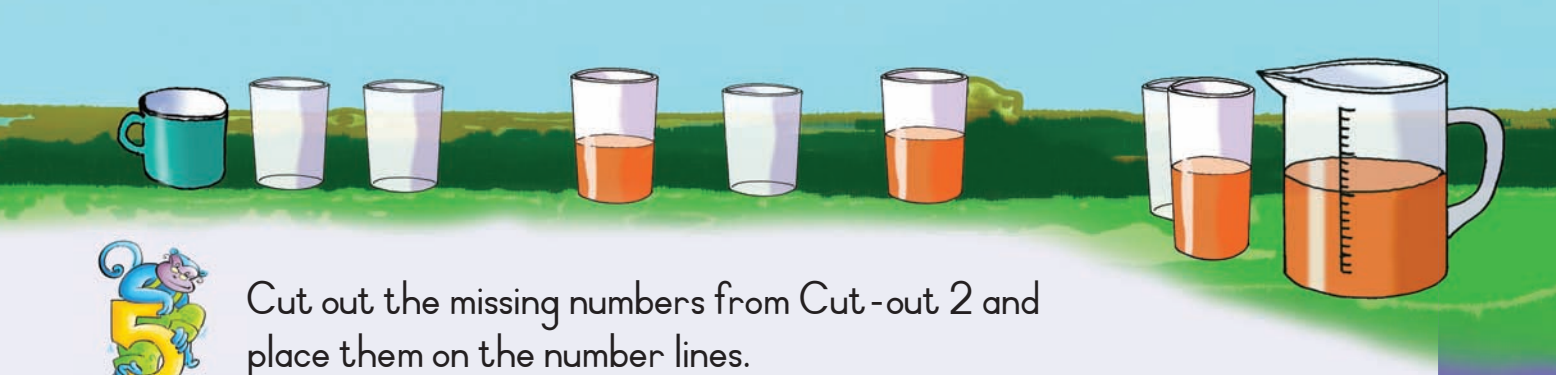
Fill in the missing numbers and draw hoops to show groups of five.




Complete the number line. Draw hoops to show groups of five.

There are _____ groups of five.





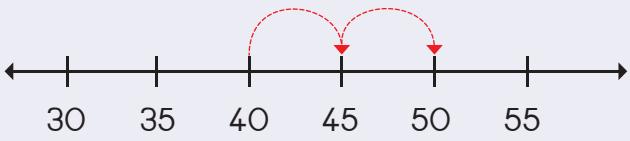
Cut out the missing numbers from Cut-out 2 and place them on the number lines.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 31 | 32 | 33 | 34 | | 36 | 37 | 38 | 39 | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 41 | 42 | 43 | 44 | | 46 | 47 | 48 | 49 | |

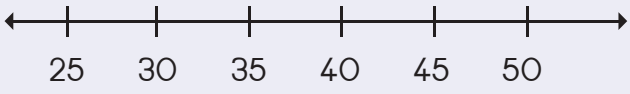
Draw hoops to show the following:

40, 45, 50




10, 15, 20

25, 30, 35




Teacher:
Sign:
Date:

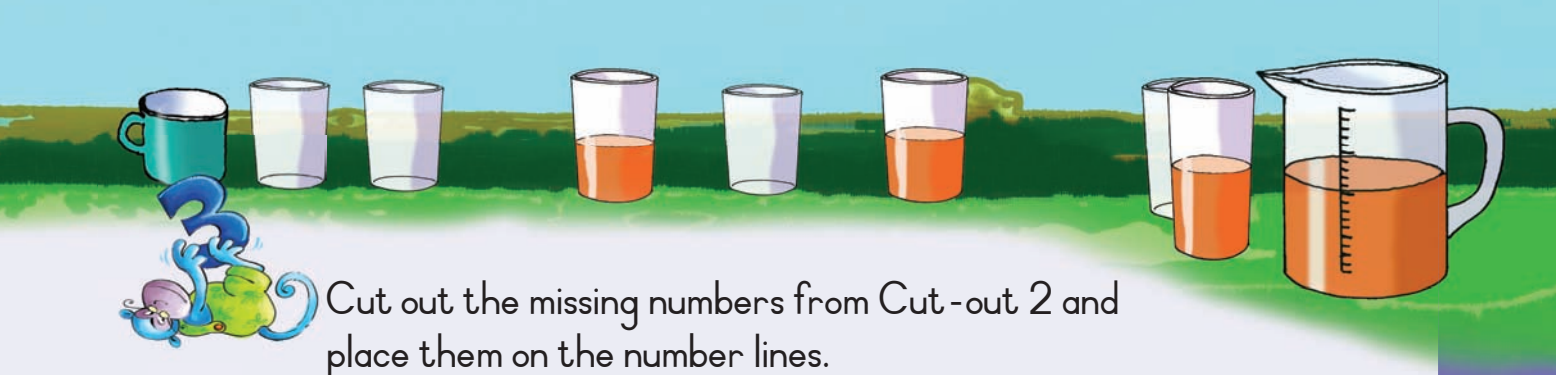
Date:

# Number patterns of fives up to 80



1 How many groups of fives can you see in the picture?

2 Complete these pictures to show two groups of five in each block.



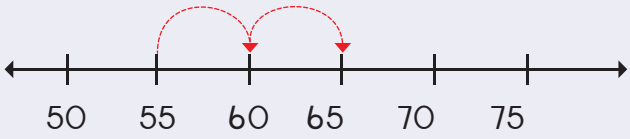
Cut out the missing numbers from Cut-out 2 and place them on the number lines.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 61 | 62 | 63 | 64 | | 66 | 67 | 68 | 69 | |

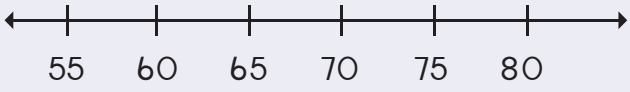
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 71 | 72 | 73 | 74 | | 76 | 77 | 78 | 79 | |

Draw the hoops to show the following:

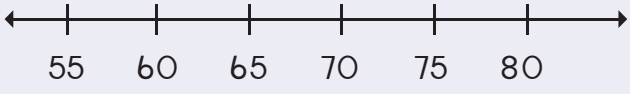
55, 60, 65




65, 70, 75




70, 75, 80




Teacher:
Sign:
Date:

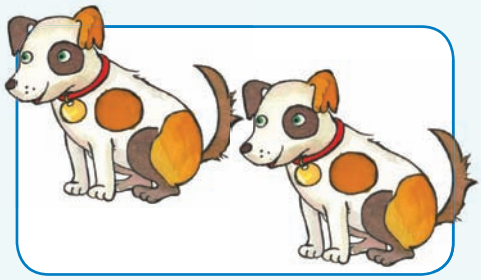
Date:

# Doubles

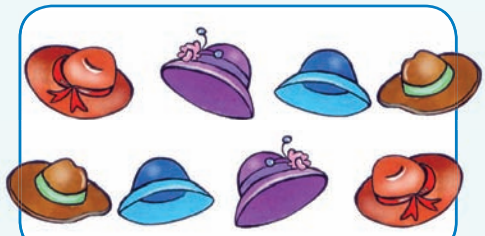
Term 3

Double the items and fill in the answer.

I doubled is ☐

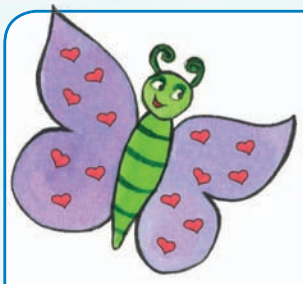


4 doubled is ☐



5 doubled is ☐

Count the shapes on each butterfly's wings.
Complete the double number sentences.



7 + 7 =

or

double 7 =

5 + 5 =

or

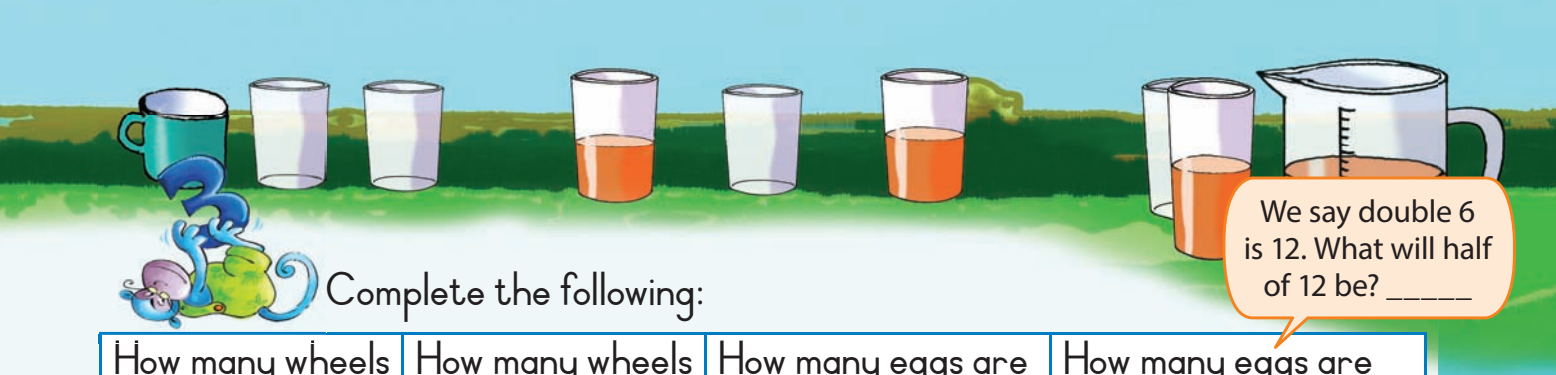
double 5 =

2 + 2 =

or

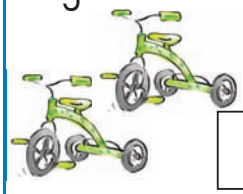
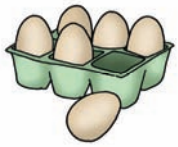
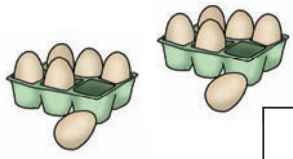
double 2 =

0 1 2 3 4 5 6 7 8 9 10



We say double 6 is 12. What will half of 12 be? _____

## Complete the following:

| How many wheels do you see? | How many wheels do you see now? | How many eggs are there in a carton? | How many eggs are there now? |
|---|---|---|---|
| |  |  |  |

## Count the dots and then double them.

| | | | |
|---|---|---|---|
| | 1 | double → | 2 |
| | 2 | double → | |
| | 3 | double → | |
| | 4 | double → | |
| | 5 | double → | |

## Double the numbers.

| | | |
|---|---|---|
| 4 | double → | 8 |
| 5 | double → | |
| 6 | double → | |
| 3 | double → | |
| 2 | double → | |
| 10 | double → | |

## Complete the following:

How many days are there in a week?

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | |

How many days are there in two weeks?

| S | M | T | W | T | F | S | S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

We say double 7 is 14. What will half of 14 be?

How many feet do you see?

How many feet do you see now?

We say double 2 is 4. What will half of 4 be?

## Complete the following:

| | | | |
|---|---|---|---|
| 2 + 2 + 1 = | 5 | or | Double 2 + 1 = 5 |
| 4 + 4 + 1 = | | or | |
| 7 + 7 + 1 = | | or | |

Teacher:
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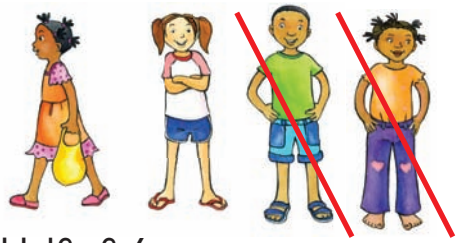
Date:

11 12 13 14 15 16 17 18 19 20

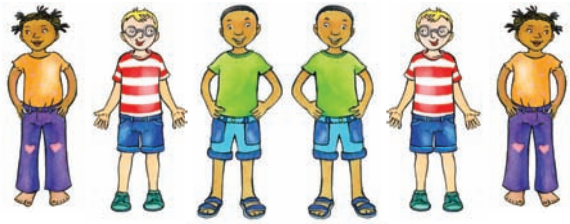
Date:

# Halves

Cross out half of the children and write the answer.



Half of 4 is _____



Half of 6 is _____

Half of 2 is _____

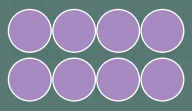
Half of 8 is _____

Cross out half and then fill in the answer.

Half of 2 = ☐

Half of 4 = ☐

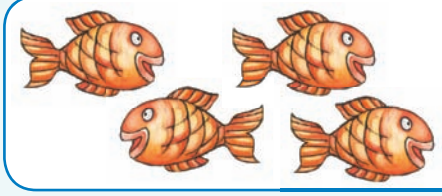
Half of 6 = ☐



Half of 8 = ☐

Half of 10 = ☐

How many fish are there?



☐

Half of the fish is?

☐

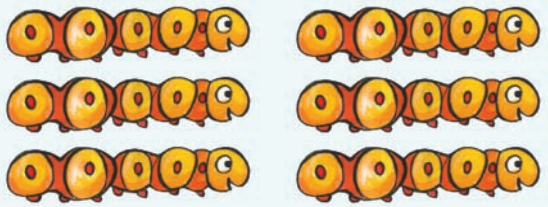
## 5 Count the dots and halve them.

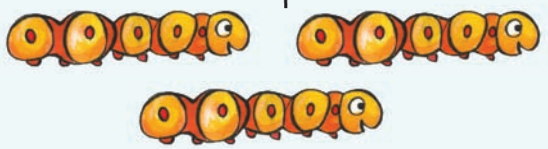
| | | | | |
|---|---|---|---|---|
| | 2 | half → | | 1 |
| | 4 | half → | | |
| | 6 | half → | | |
| | 8 | half → | | |
| | 10 | half → | | |

## 6 Halve the numbers.

| | | |
|---|---|---|
| 4 | half → | 2 |
| 8 | half → | |
| 6 | half → | |
| 10 | half → | |
| 12 | half → | |
| 14 | half → | |

## 7 How many caterpillars are there?

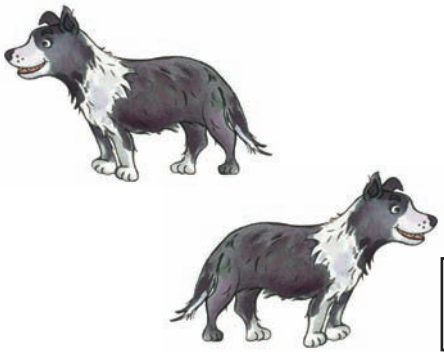




Half of the caterpillars is?

## Answer the following:

How many legs are there?



How many legs are there now?

We say half of 8 is

Teacher:
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Date:

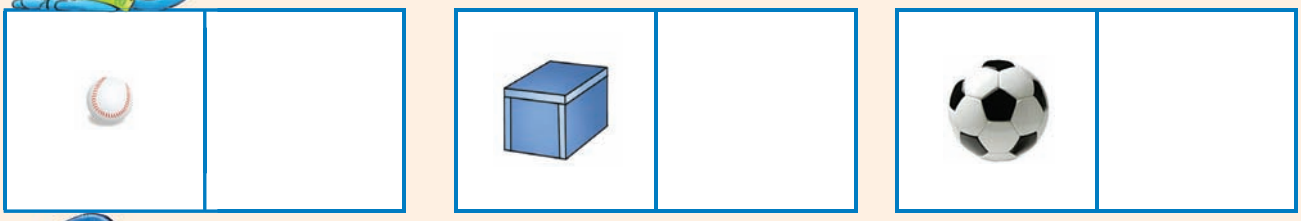
Date:

# 3-D objects

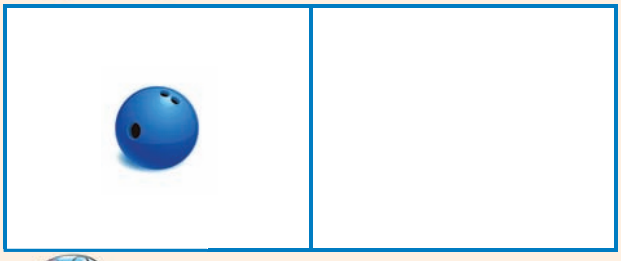


1 Tick the smallest object.

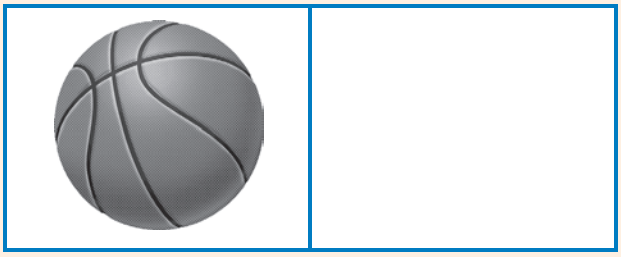
2 Draw a bigger object on the right hand side of each picture.



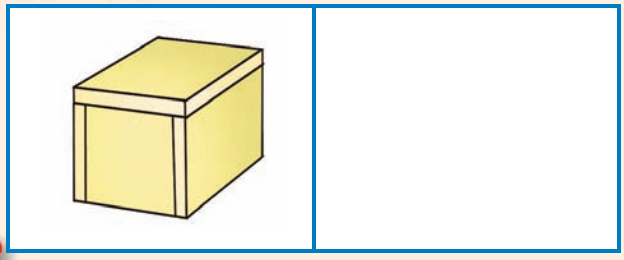
3 Draw a ball that is bigger then the blue ball.



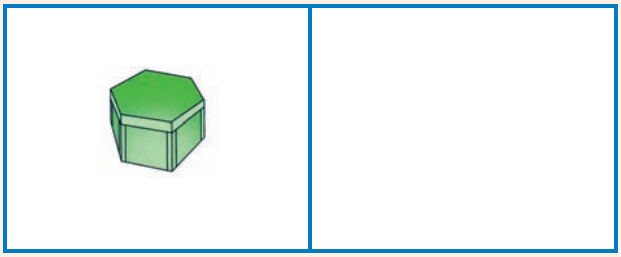
Draw a ball that is smaller than the grey ball.

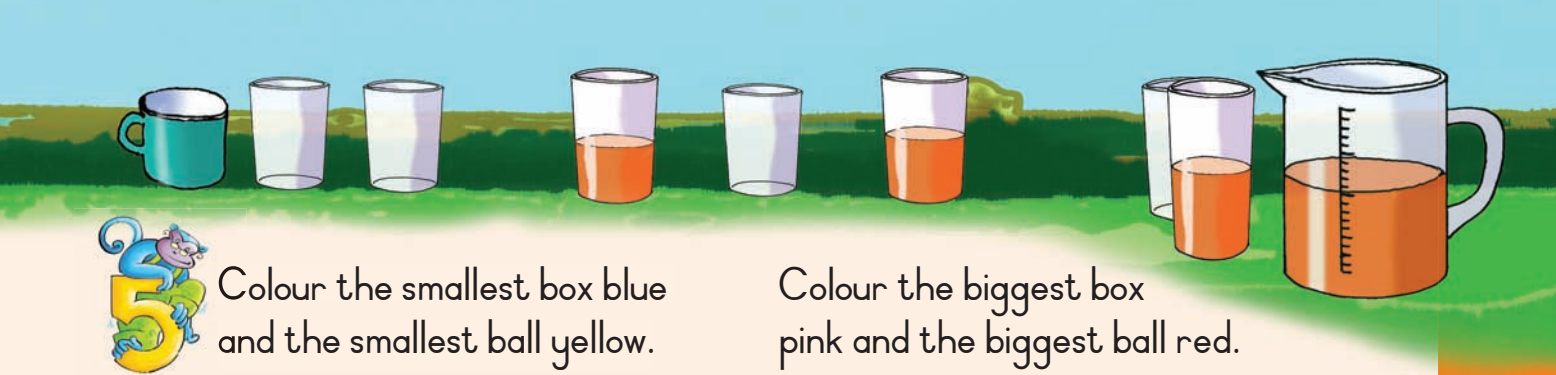


4 Draw a box that is smaller than the yellow box.

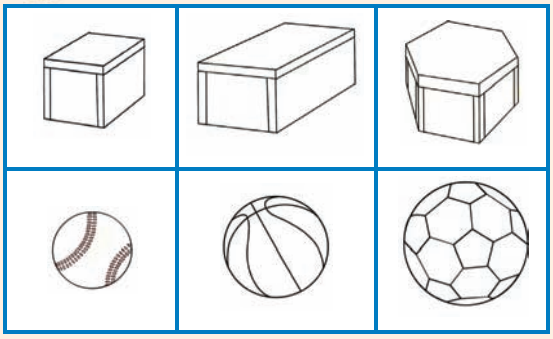


Draw a box that is bigger than the green box.

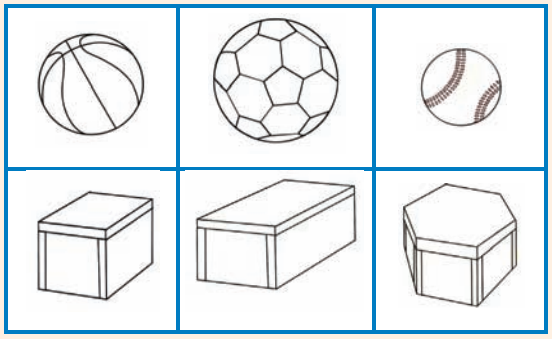




5 Colour the smallest box blue and the smallest ball yellow.



Colour the biggest box pink and the biggest ball red.



6 Can you build a tower with the following objects?

Colour yes or no.

| yes | no | yes | no | yes | no |
|---|---|---|---|---|---|

7 Cut and paste pictures from a magazine or newspaper to make two of your own towers.

Remember the towers must balance.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# 3D objects – Slide and roll

Will these objects roll or slide?
Colour the correct answer.

| roll | slide |
|---|---|

| roll | slide |
|---|---|

| roll | slide |
|---|---|

| roll | slide |
|---|---|

Is the following possible?
Colour the correct answer.

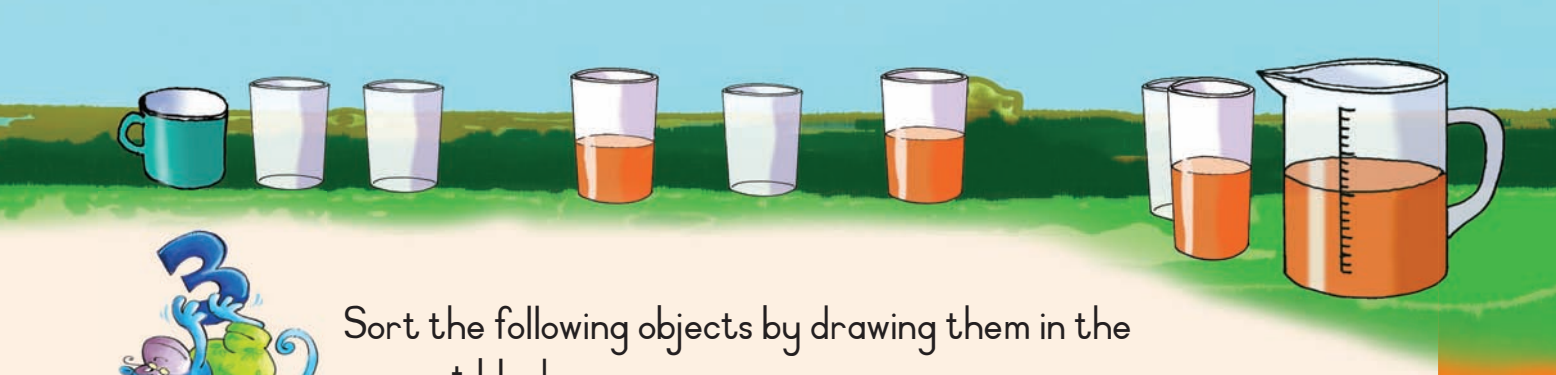
| yes | no |
|---|---|

| yes | no |
|---|---|

| yes | no |
|---|---|



0 1 2 3 4 5 6 7 8 9 10



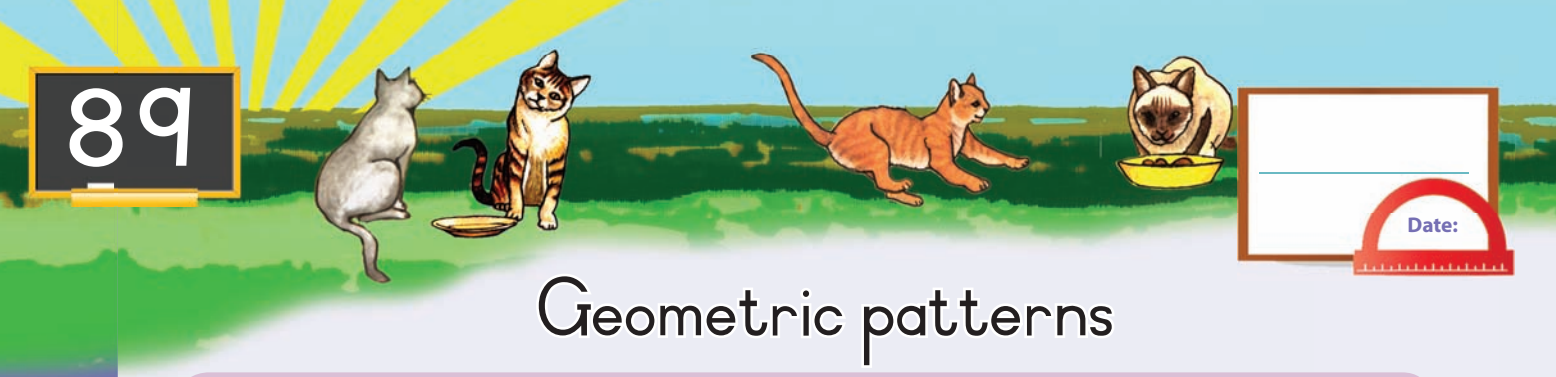
Sort the following objects by drawing them in the correct block.

| | Balls | Boxes |
|---|---|---|

Sort the objects according to size by drawing them.

| | Small balls | Small boxes |
|---|---|---|
| | Big balls | Big boxes |

Teacher:
Sign:
Date:



Date:

# Geometric patterns

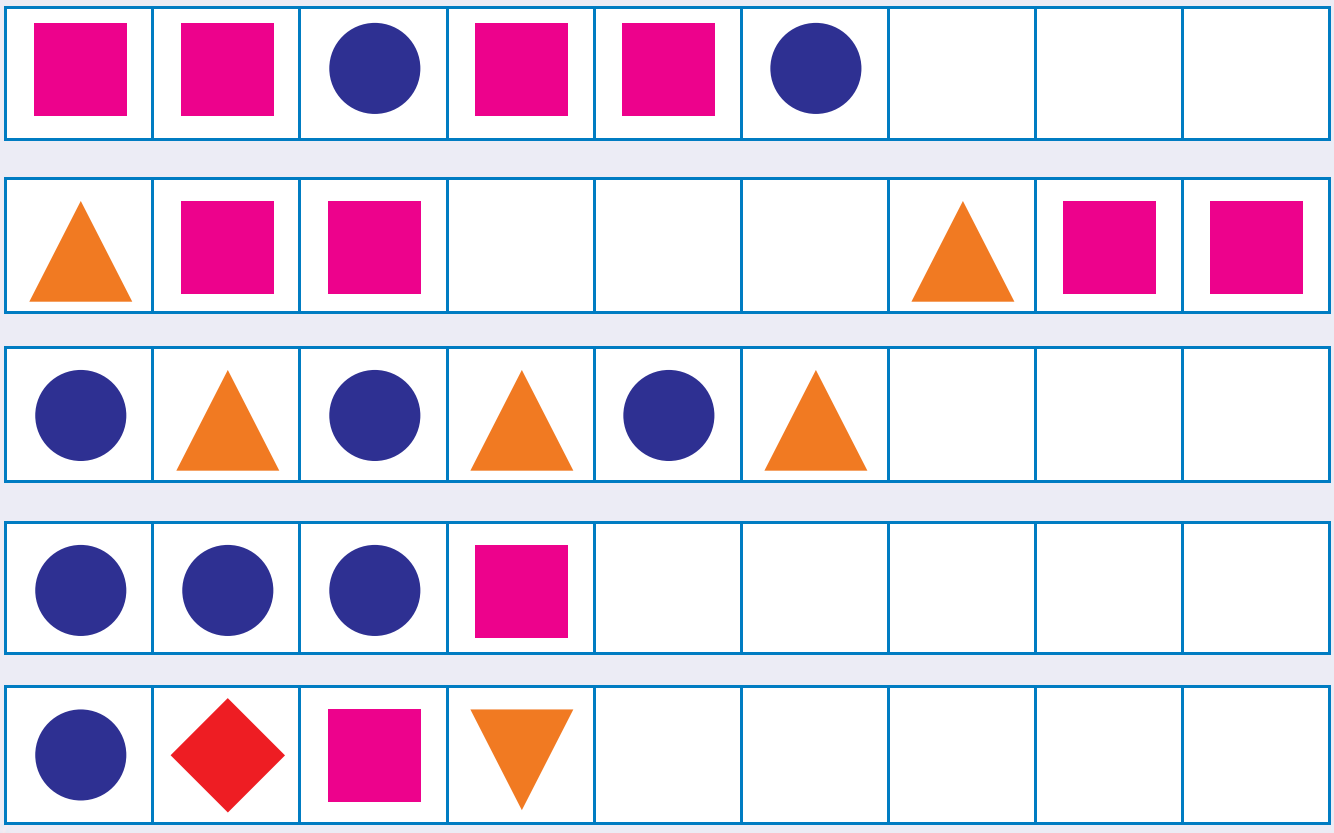


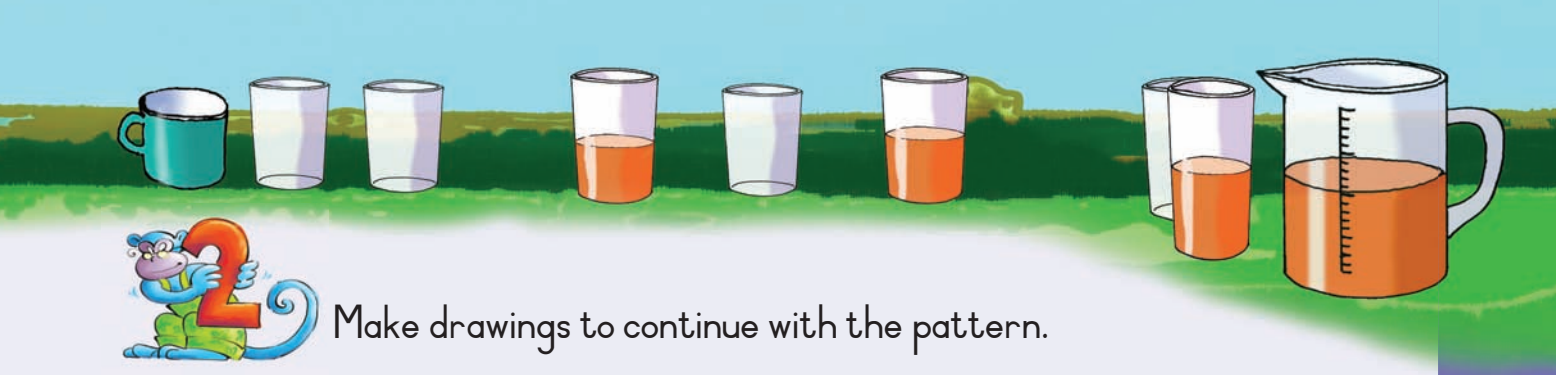
## Revision:

Draw the following:

| a circle | a square | a rectangle |
| --- | --- | --- |
| | | |

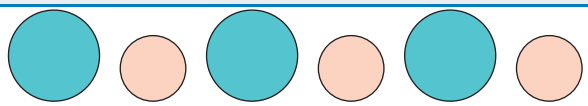
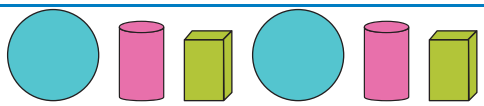
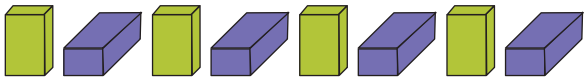
Complete the pattern.







## Make drawings to continue with the pattern.

| | |
|---|---|
|  | |
| | |
|  | |
|  | |

## Draw your own pattern.

## Paste pictures to make your own pattern.

## Complete this pattern.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | A | B | C | | | | A | B | C |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Groups of two up to 15



1 Write the number name for this number symbol.

| 2 | two |
|---|---|

2 Answer the questions.

How many penguins do you see? ☐

How many pairs of feet do you see? ☐

Write it as a number sentence:

3 Answer the questions.

How many books are there? ☐

How many groups of two can I make? ☐

Write it as a number sentence.

4 Write the number name for this number symbol.

| 4 | |
|---|---|

5 Count the wings, then fill in your answer.

2 + 2 =

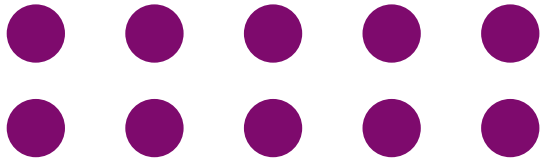
2 + 2 + 2 =

2 + 2 + 2 + 2 =

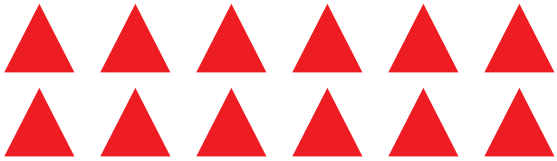
Draw circles around the following to make:

4 groups of 2

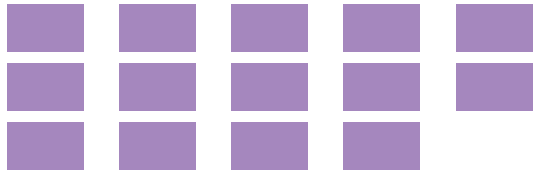
5 groups of 2



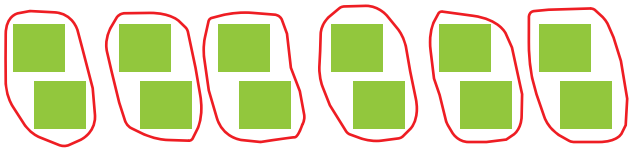
6 groups of 2

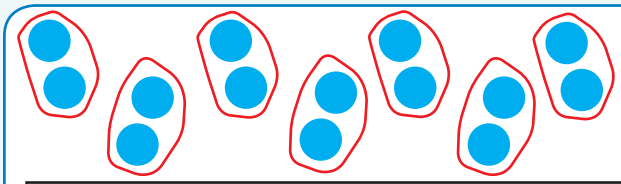


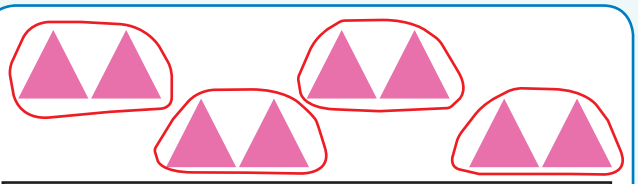
7 groups of 2



Write a number sentence for the following.







How many groups of two can you make?

| | | | |
|---|---|---|---|
| 13 and 1 will make | groups | 12 and 1 will make | groups |
| 11 and 1 will make | groups | 5 and 1 will make | groups |
| 9 and 1 will make | groups | 1 and 1 will make | groups |
| 7 and 1 will make | groups | 10 and 0 will make | groups |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

# 91

Date:

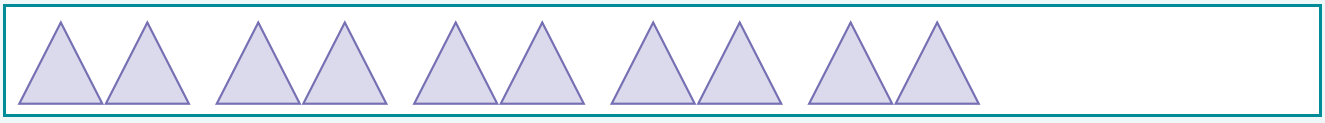
## Twos repeated addition up to 15

How many legs are there?

How did you count it?

Draw shapes to show the following:

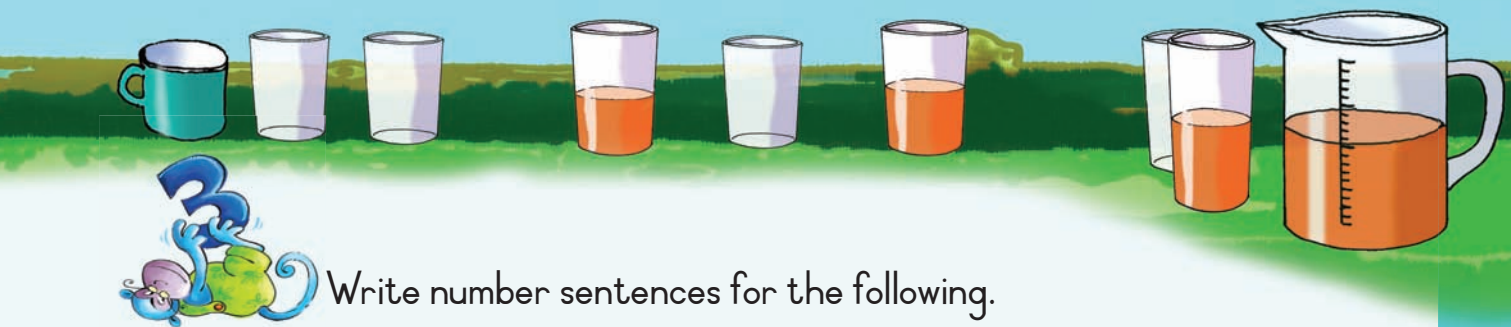
2 + 2 + 2 + 2 + 2 = ☐



2 + 2 + 2 + 2 + 2 + 2 + 2 = ☐

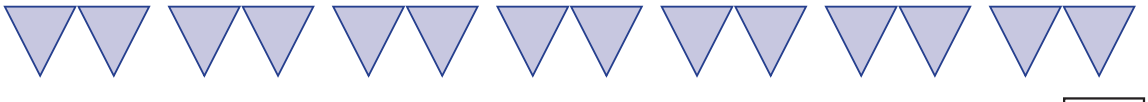
2 + 2 + 2 + 2 = ☐

2 + 2 + 2 + 2 + 2 + 2 = ☐

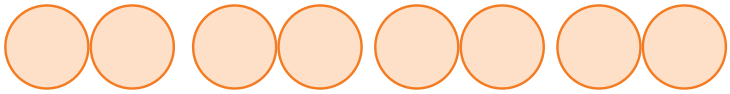


3 Write number sentences for the following.

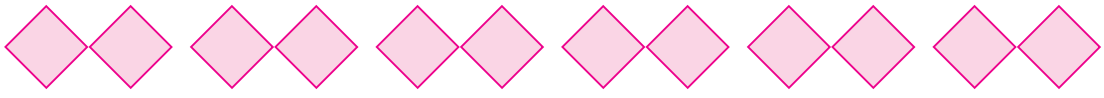
2 + 2 + 2 + 2 + 2 = ☐



☐

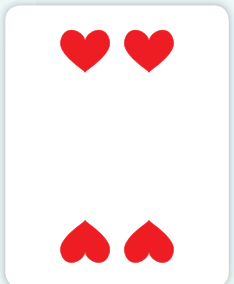


☐

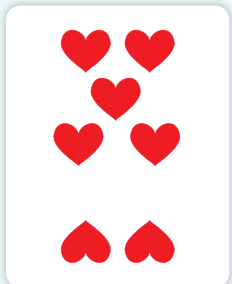


☐

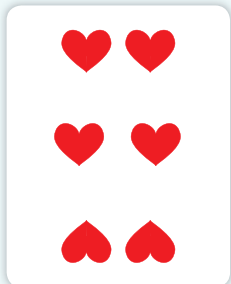
4 Circle and count how many groups of two you can make on each card.



☐



☐



☐

5 Complete this pattern of the numbers you will use to make groups of two.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | | | | | |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

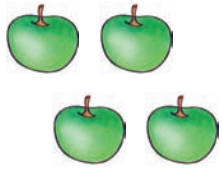


# Twos up to 15

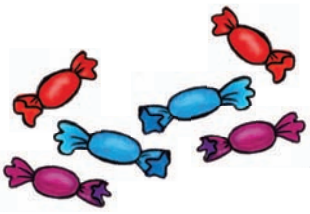
Fill in the missing numbers.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 3 | | 5 | | 7 | | 9 | |
| 11 | | 13 | | 15 | | | | | |

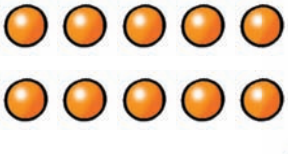
Make groups of two.
Draw a circle round each group of two.



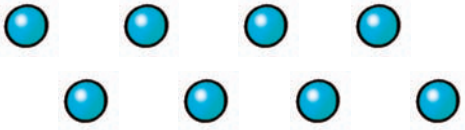
How many groups of apples are there? ☐
How many apples will each child get? ☐



How many groups of sweets are there? ☐
How many sweets will each child get? ☐



How many groups of marbles are there? ☐
How many marbles will each child get? ☐



How many groups of marbles are there? ☐
How many marbles will each child get? ☐

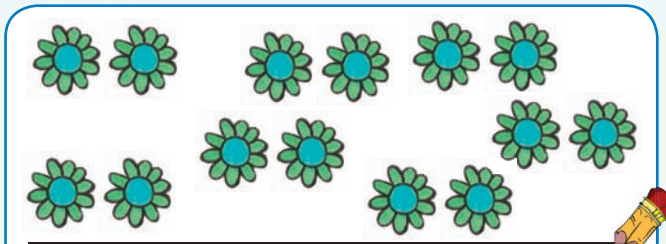
## 3

Fill in the missing numbers.

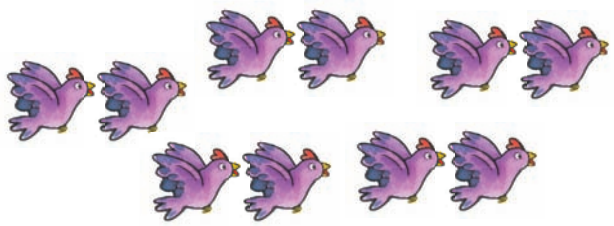
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 6 | 7 | |
| 2 | 4 | | 8 | 10 | | 14 | 16 |
| 0 | 3 | 6 | | 12 | | 18 | 21 |

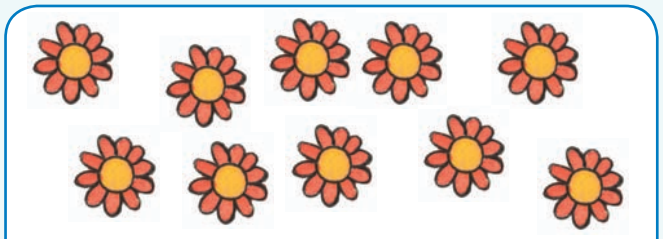
## 4

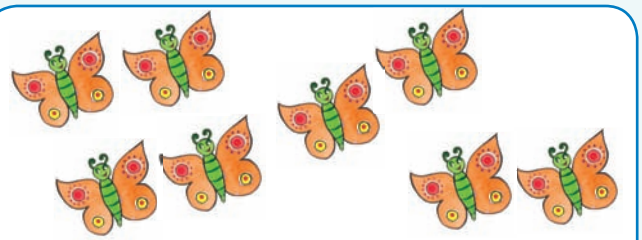
Write a number sentence using twos.



2 + 2 + 2 + 2 + 2 + 2 + 2 = 14







## 5

Calculate the following:

| | |
|---|---|
| 2 + 2 + 2 = | |
| 2 + 2 + 2 + 2 = | |
| 2 + 2 + 2 + 2 + 2 = | |
| 2 + 2 + 2 + 2 + 2 + 2 = | |
| 2 + 2 + 2 + 2 + 2 + 2 + 2 = | |

Circle groups of twos in each line.

Teacher:
Sign:
Date:

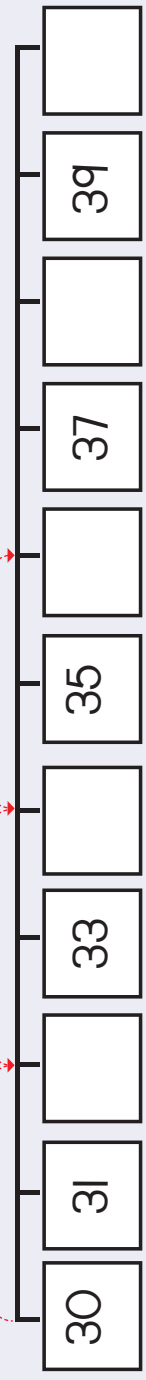
11 12 13 14 15 16 17 18 19 20

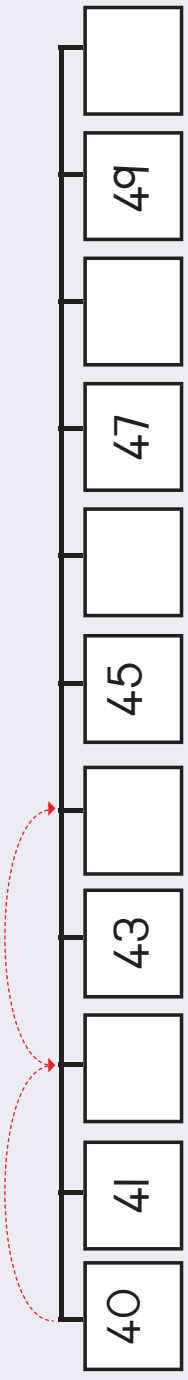
# 93

Date:

## Number patterns 2 to 50

Cut out the missing numbers from Cut-out 2 and paste them on the number line. Also complete the hoops.



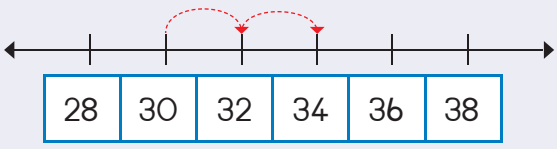



Complete the pattern by colouring the correct numbers.

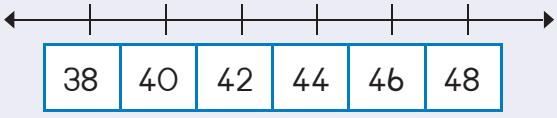
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

Draw hoops to show the following:

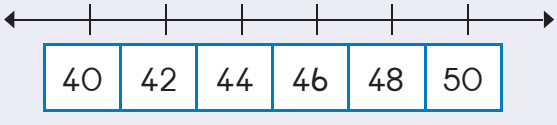
30, 32, 34




40, 42, 44

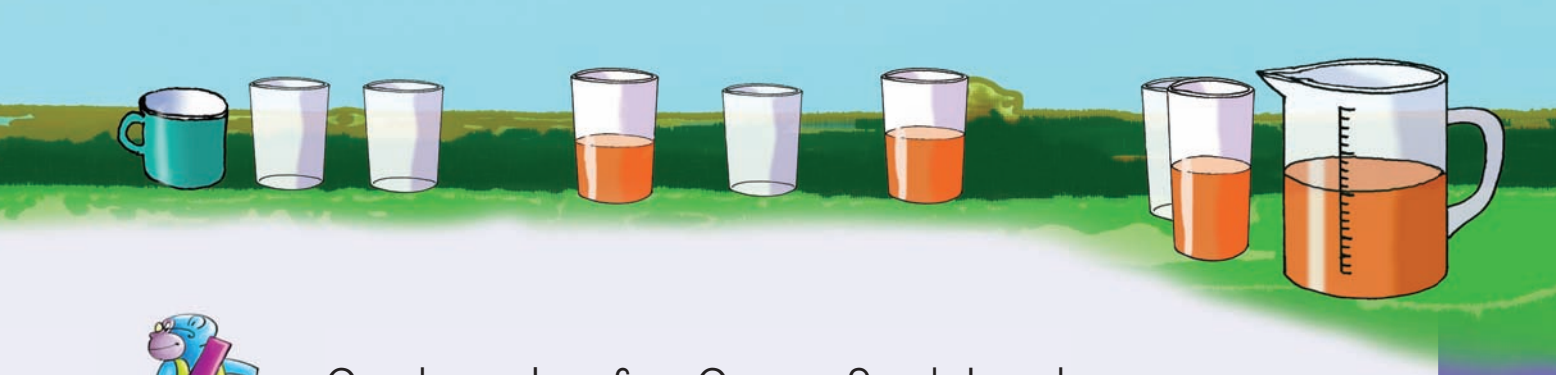



46, 48, 50

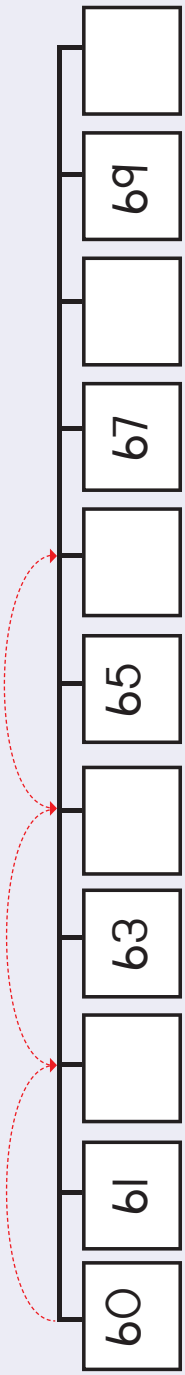


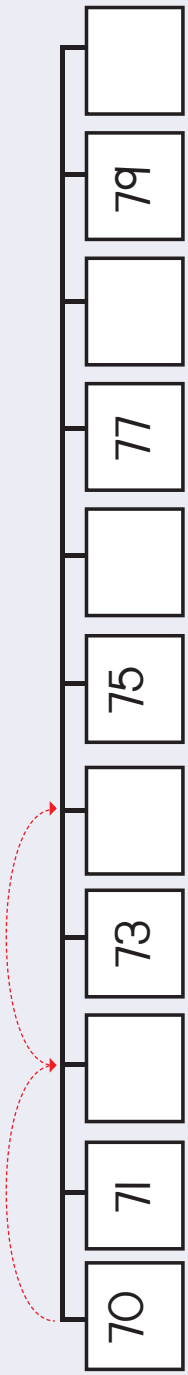



0 1 2 3 4 5 6 7 8 9 10



Cut the numbers from Cut-out 2 and place them on the number line. Complete the hoops.



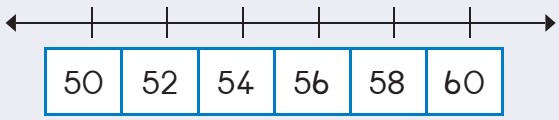



Complete the pattern by colouring the correct numbers.

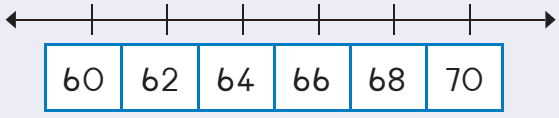
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |

Draw hoops to show the following:

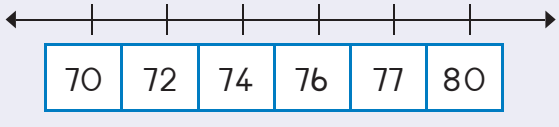
54, 56, 58




64, 66, 68




72, 74, 76

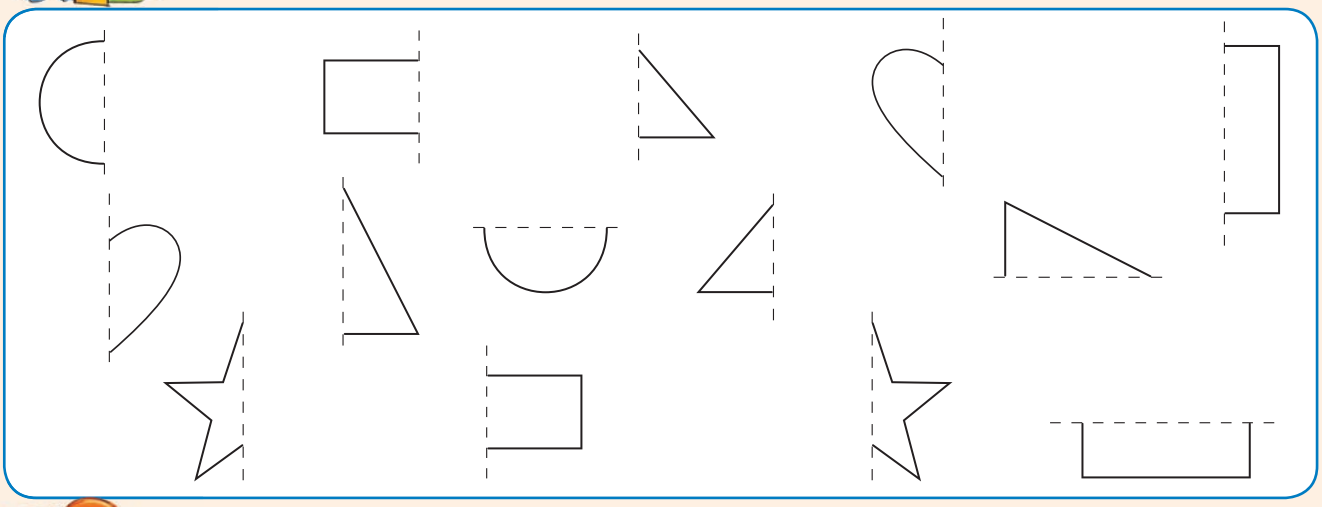


Date:

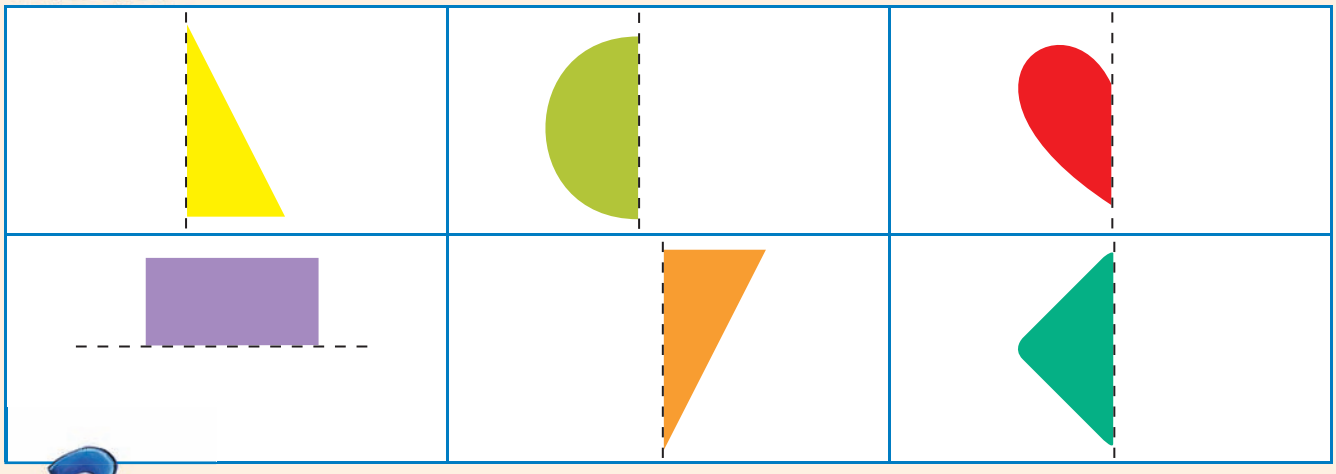
# Symmetry



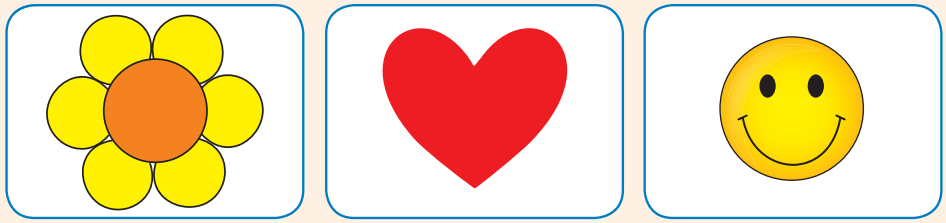
1 Colour the two parts of the shapes that will make one shape.

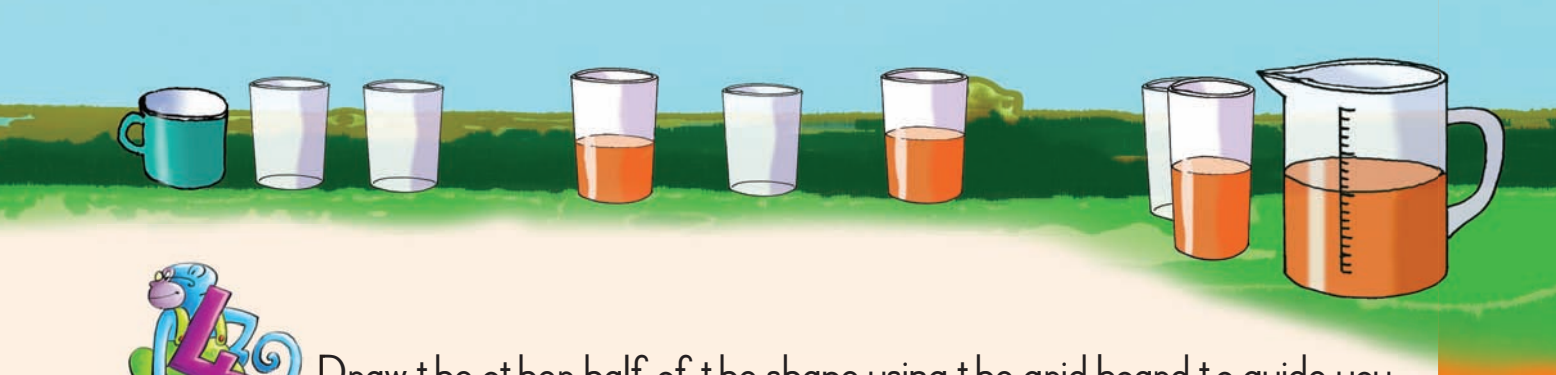


2 Draw the other half and colour it.

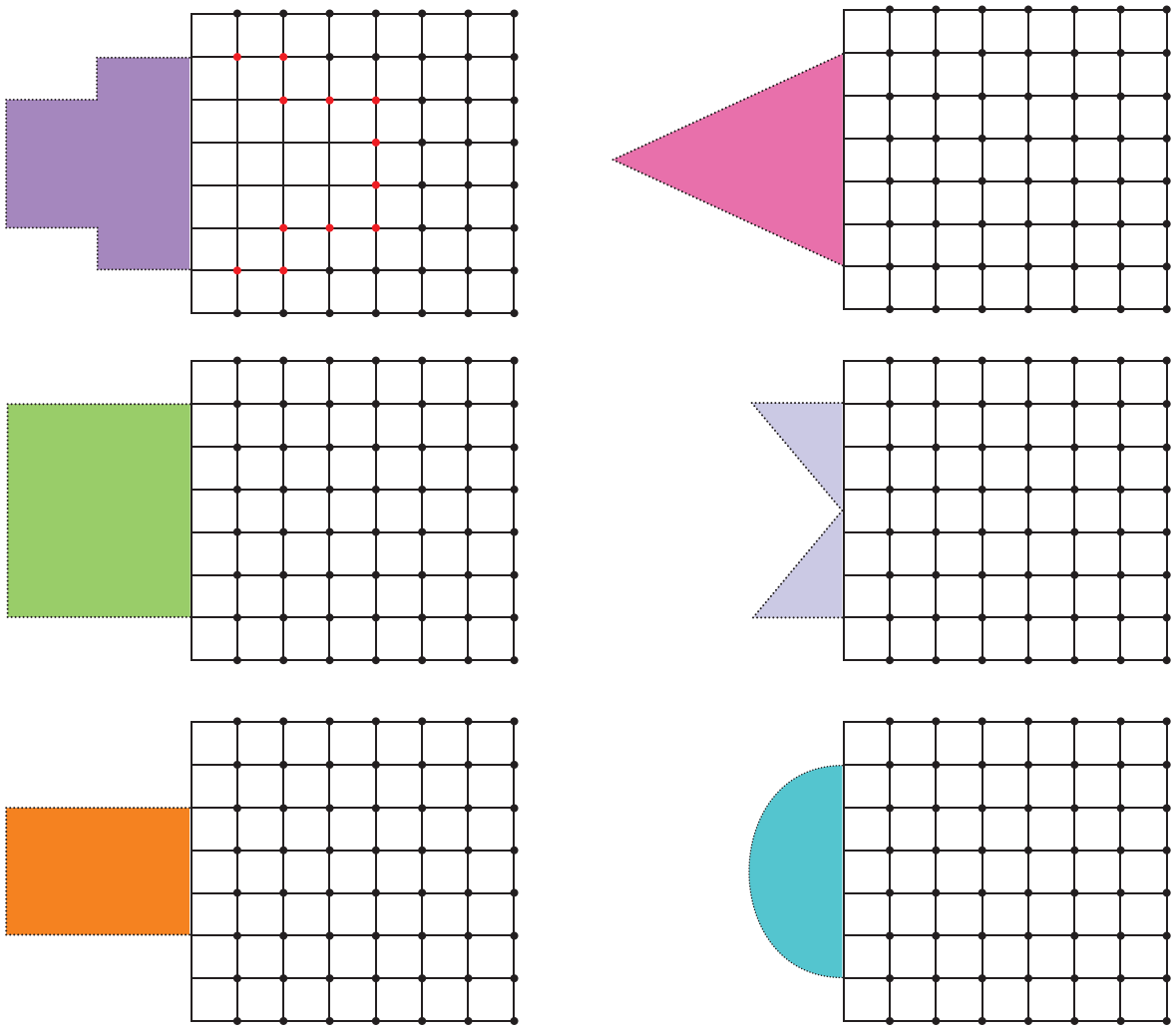


3 Draw a line to divide these pictures into two so that both sides look exactly the same.

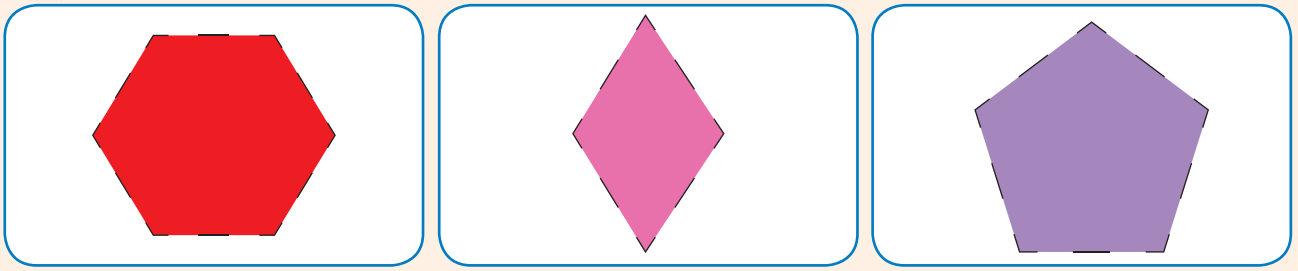




## 4 Draw the other half of the shape using the grid board to guide you.



## 5 Draw a line to divide these shapes into two parts that look exactly the same.



Teacher:
Sign:
Date:

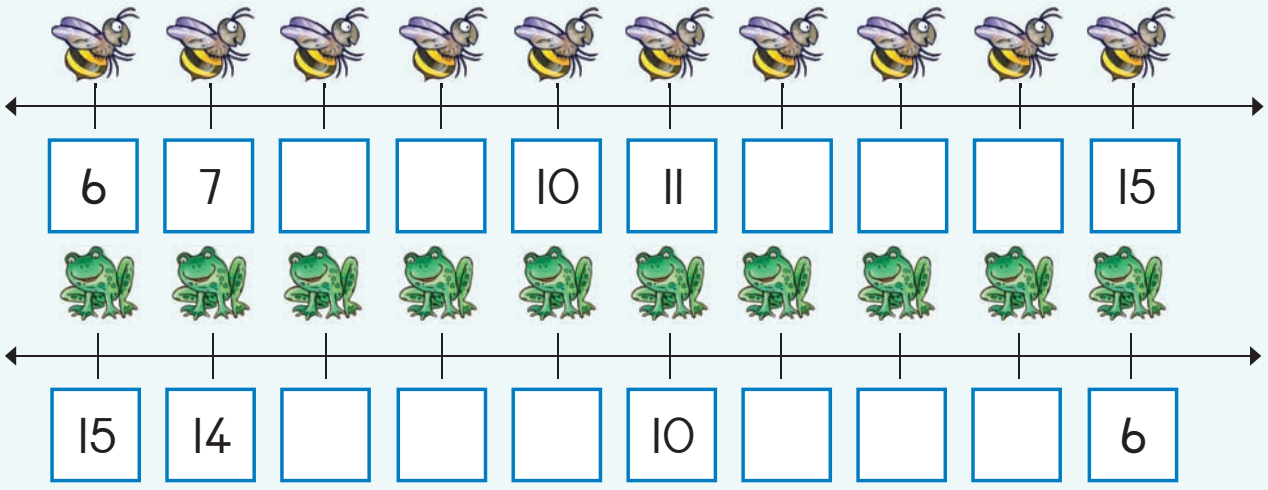
Date:

# Numbers and Place value

Fill in the missing numbers.

| | | | | | |
|---|---|---|---|---|---|
| 10 | 11 | | | | 15 |
| 9 | 10 | | | | |

Fill in the missing numbers.



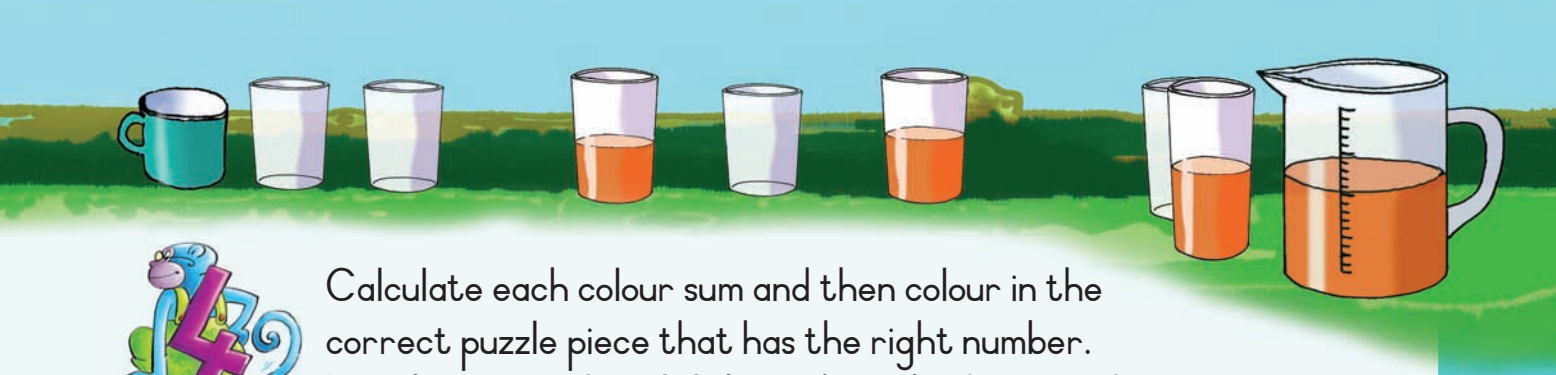
Fill in the answer.

| | |
|---|---|
| 10 + 1 = | 11 |
| 10 + 2 = | |
| 10 + 5 = | |
| 10 + 3 = | |

| | |
|---|---|
| 15 − 10 = | |
| 14 − 10 = | |
| 12 − 10 = | |
| 11 − 10 = | |

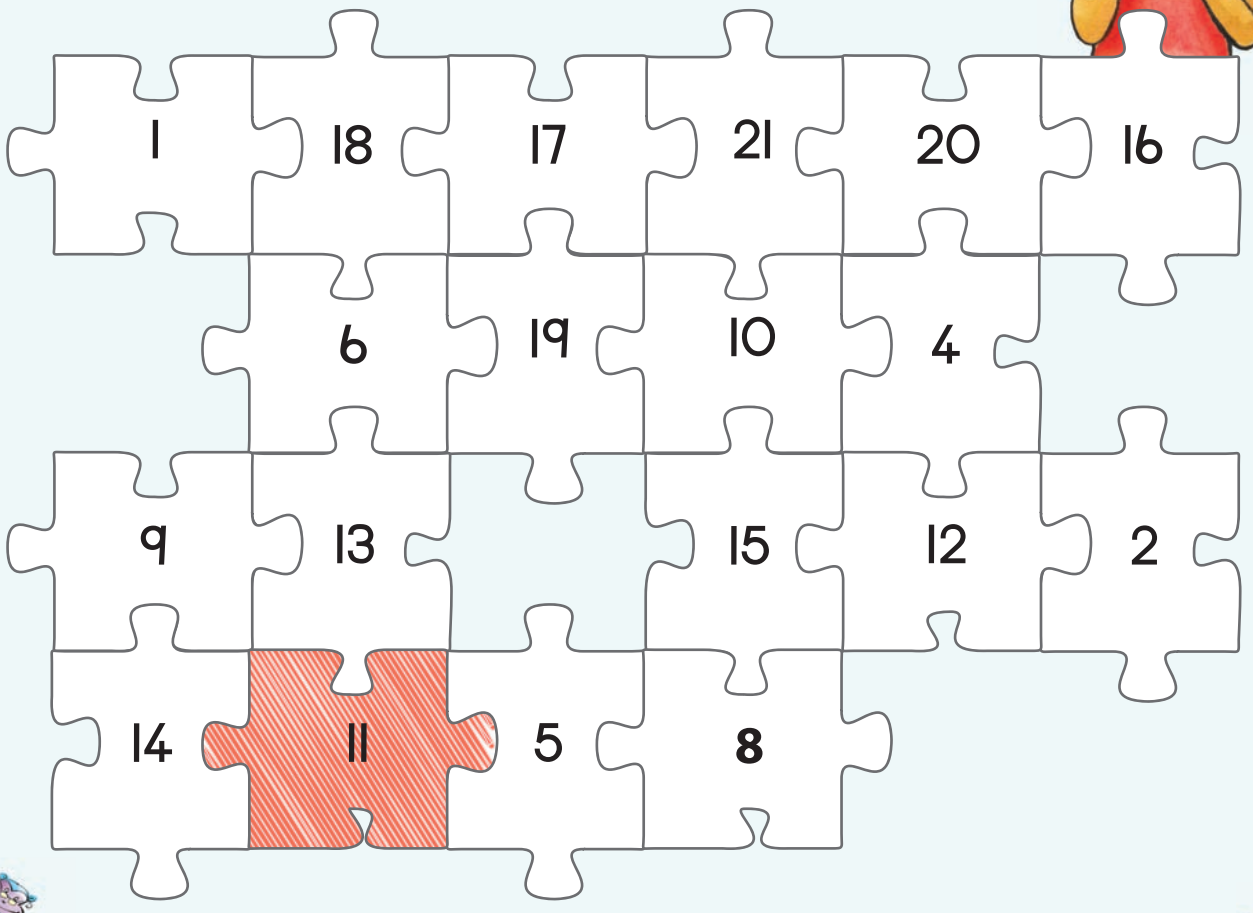


0 1 2 3 4 5 6 7 8 9 10

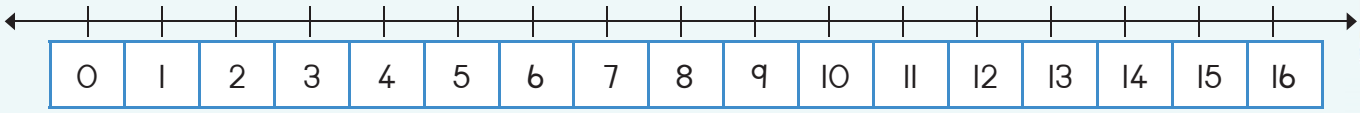


Calculate each colour sum and then colour in the correct puzzle piece that has the right number.
Use the same colour. We have done the first one for you.

- 10 + 1 in red
- 10 + 5 in blue
- 10 + 0 in green
- 10 + 3 in pink
- 10 + 4 in yellow
- 10 + 2 in orange



Show ten and four on the number line:




Teacher:
Sign:
Date:

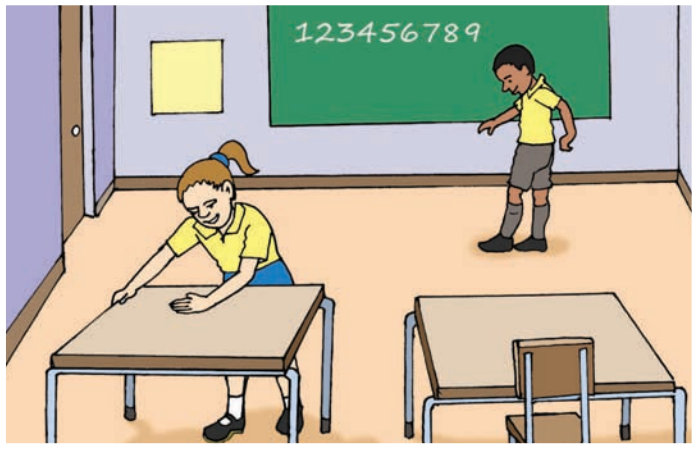
11 12 13 14 15 16 17 18 19 20

Date:

# Length

Measure the length and width of a desk or table using the length of your hand. How many hand spans for the length of the table?

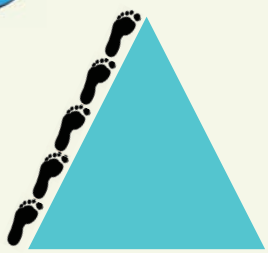
How many hand spans for the width?



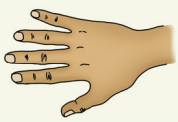

The length is _____ hand spans.

The width is _____ hand spans.

How many foot spans on the side?



Fill in the answer.



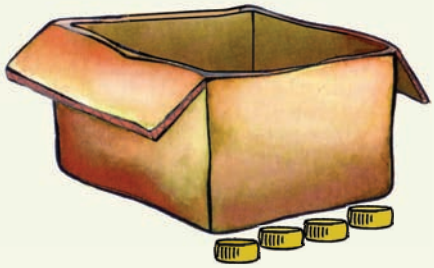
The length is _____ hand spans.

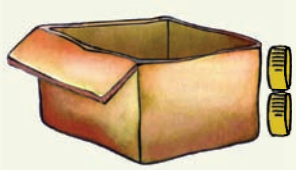


0 1 2 3 4 5 6 7 8 9 10

## 4

What is the length and the width of this box?



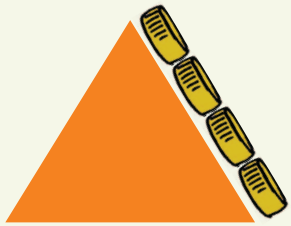


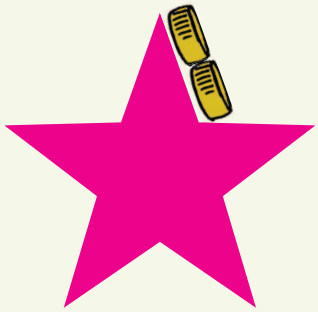
The length is _____ bottle tops long.

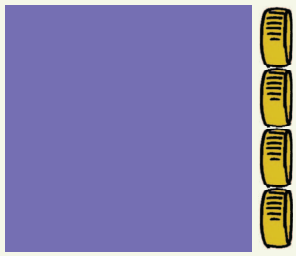
The width is _____ bottle tops long.

## 5

How many bottle tops long is the side?







Teacher:
Sign:
Date:

Date:

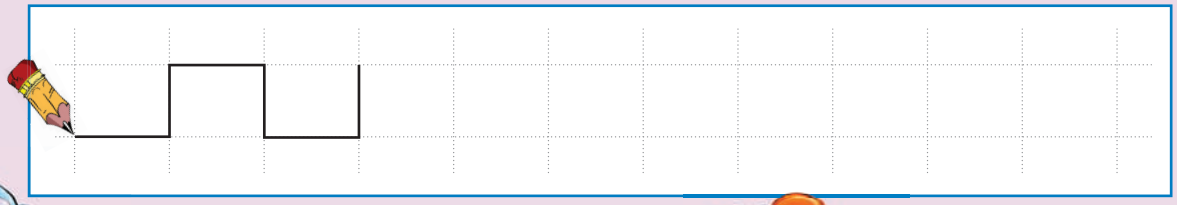
# Number 16



## Revision:

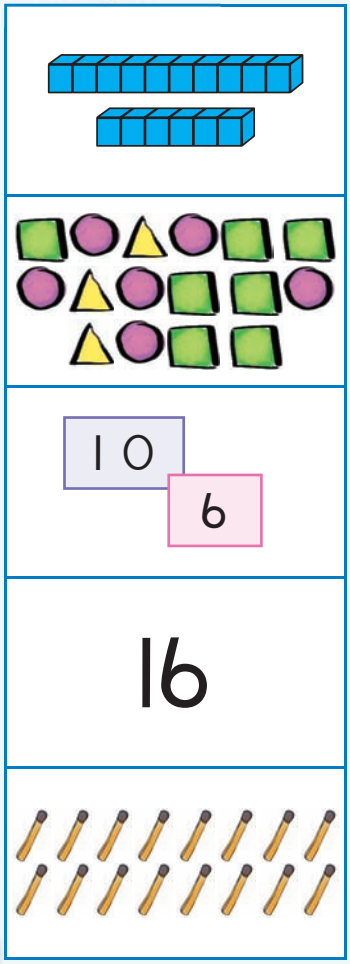
Practice writing the number name and complete the pattern.

7 | seven



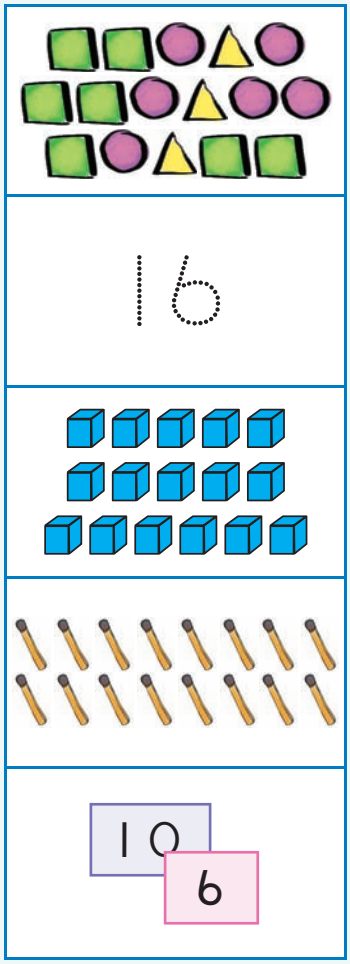
Match the pictures.

Trace the numbers.



10 6

16



16

10 6

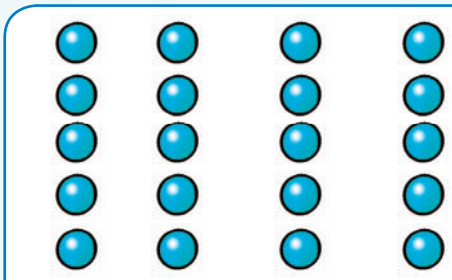
16 16 16 16

sixteen

16 16 16 16

sixteen

Circle only 16 beads.



How many are left? ___



0 1 2 3 4 5 6 7 8 9 10

Draw 16 objects.

Now draw them in a different way.

Fill in the missing number.

| | | |
|---|---|---|
| 2 | 3 | 4 |
| 19 | | 21 |
| 17 | | 19 |

Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
| | 16 | |
| | | sixteen |
| | | |
| | | |

What is one less than 16?

_____

What is one more than 16?

_____

| | |
|---|---|
| What is one less than sixteen? | |
| What is two less than sixteen? | |
| What is one more than sixteen? | |
| What is two more than sixteen? | |

Fill in the missing numbers.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 10 | 9 | | 7 | 6 | | 4 | 3 | | 1 |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Number 17



## Revision:

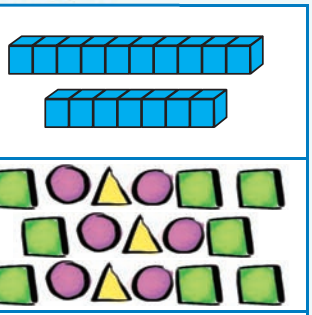
Practice writing the number name and complete the pattern.

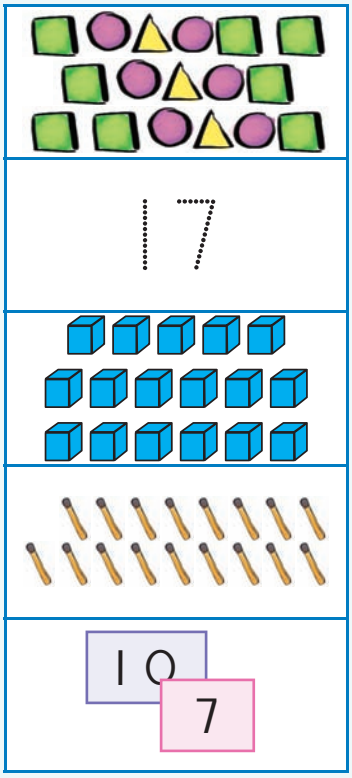
| 8 | eight |
|---|---|

Match the pictures.

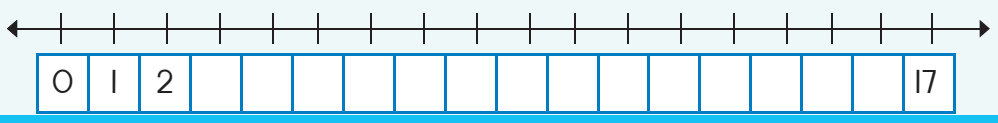
Trace the numbers.

| | | | |
|---|---|---|---|
| 17 | 17 | 17 | 17 |
| seventeen | | | |
| 17 | 17 | 17 | 17 |
| seventeen | | | |



Complete the number line.






0 1 2 3 4 5 6 7 8 9 10

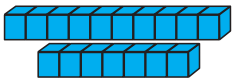
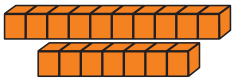
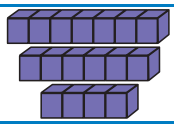
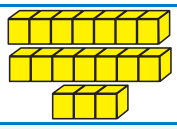
Draw 17 objects.

Now draw them in a different way.

Which number comes after?

| | | |
|---|---|---|
| 16 | 17 | |
| 24 | 25 | |
| 17 | 18 | |

Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
|  | 17 | |
|  | | |
| |  | seventeen |
| | |  |

| | |
|---|---|
| What is one less than seventeen? | |
| What is two less than seventeen? | |
| What is one more than seventeen? | |
| What is two more than seventeen? | |

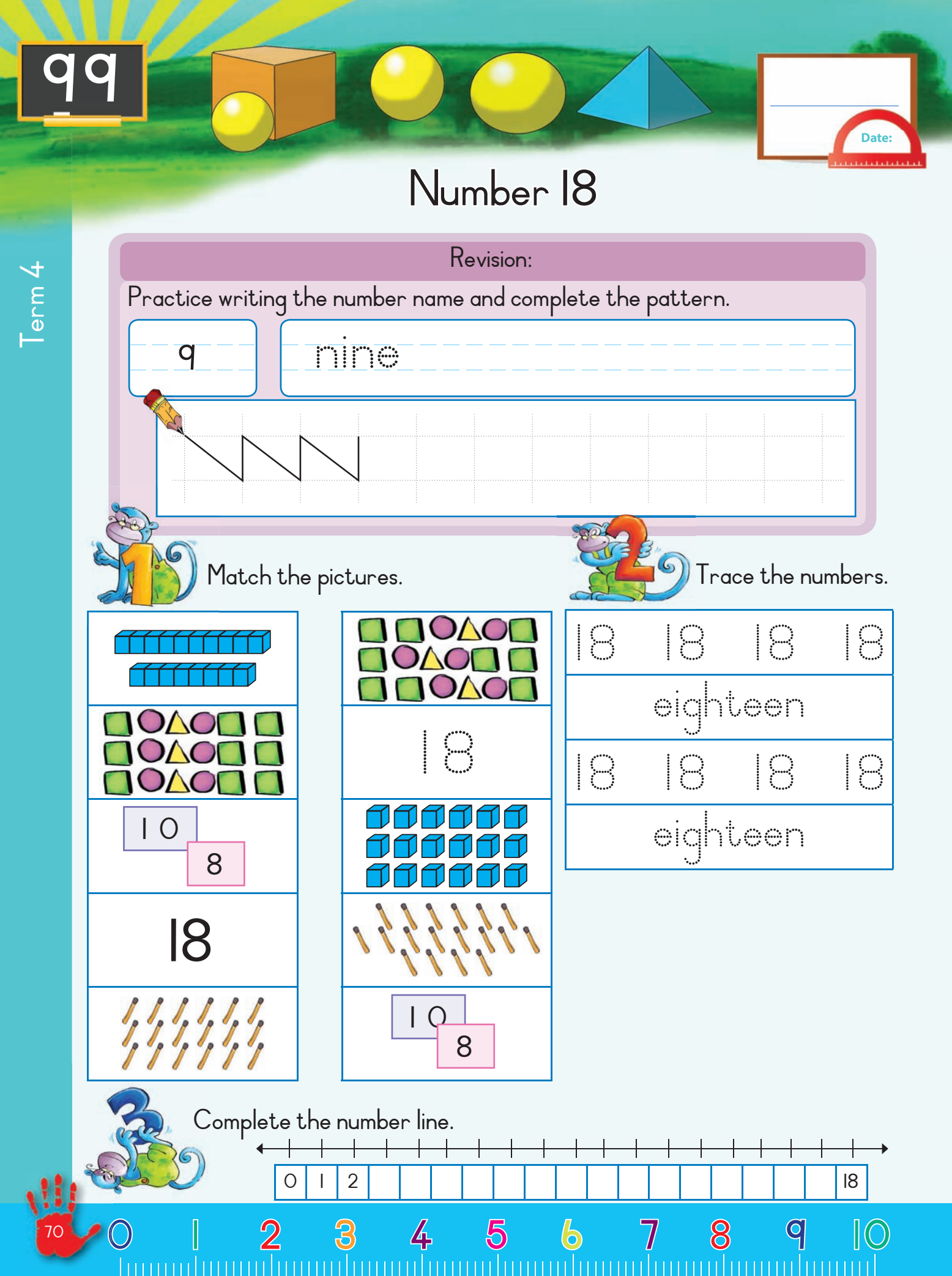
Fill in the missing numbers.

These are also called odd numbers.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2 | | 4 | | 6 | | 8 | | 10 |
| | 12 | | 14 | | 16 | | 18 | | 20 |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20





# Number 18

## Revision:

Practice writing the number name and complete the pattern.

| | |
|---|---|
| 9 | nine |

Match the pictures.

| | |
|---|---|
| 10 | 8 |
| 18 | |

| | |
|---|---|
| 18 | |
| 10 | 8 |

Trace the numbers.

| | | | |
|---|---|---|---|
| 18 | 18 | 18 | 18 |
| eighteen | | | |
| 18 | 18 | 18 | 18 |
| eighteen | | | |

Complete the number line.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | | | | | | | | | | | | | | | | 18 |

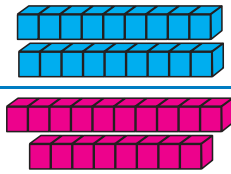
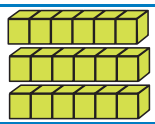
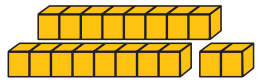
Draw 18 objects.

Now draw them in a different way.

Which number comes after?

| | | |
|---|---|---|
| 8 | 9 | |
| 33 | 34 | |
| 0 | 1 | |

Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
|  | 18 | |
| | | |
| |  | eighteen |
| | |  |

| | |
|---|---|
| What is one less than 18? | |
| What is two less than 18? | |
| What is one more than 18? | |
| What is two more than 18? | |

Fill in the missing numbers.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | 4 | 5 | 6 | 7 | | 9 | 10 |
| 11 | | 13 | 14 | 15 | | 17 | 18 | | 20 |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Number 19



## Revision:

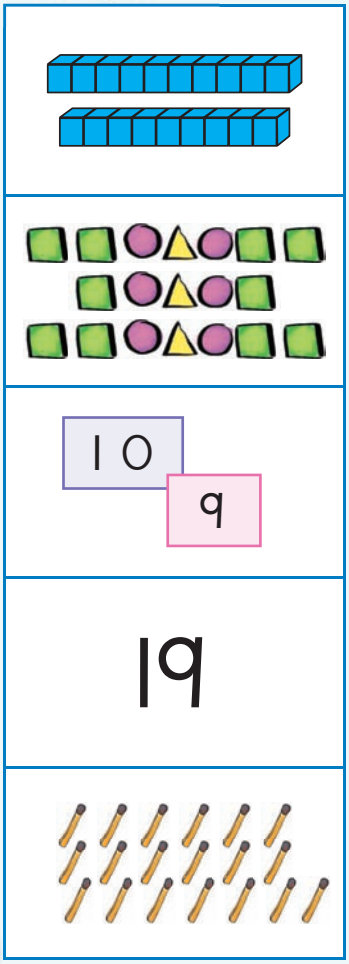
Practice writing the number name and complete the pattern.

| | |
|---|---|
| 10 | ten |

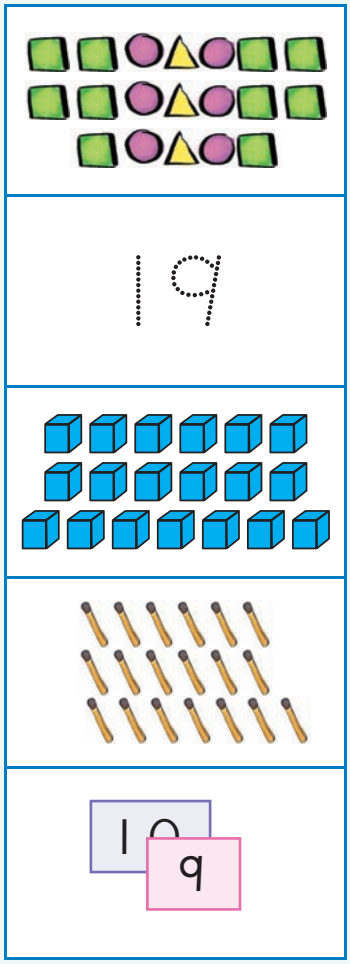
Match the pictures.

Trace the numbers.

| | | | |
|---|---|---|---|
| 19 | 19 | 19 | 19 |
| nineteen | | | |
| 19 | 19 | 19 | 19 |
| nineteen | | | |

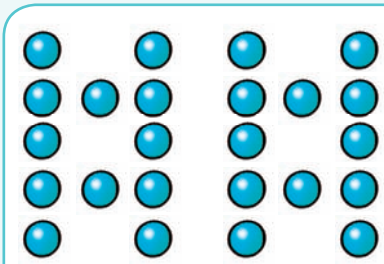


| | |
|---|---|
| 10 9 | |
| 19 | |



| | |
|---|---|
| 19 | |
| | 10 9 |

Circle only 19 beads.



How many are left? ___



0 1 2 3 4 5 6 7 8 9 10

Draw 19 objects.

Now draw them in a different way.

Which number comes between?

| | | |
|---|---|---|
| 14 | | 16 |
| 35 | | 37 |
| 8 | | 10 |

Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
| | 19 | |
| | | |
| | | nineteen |
| | | |

| | |
|---|---|
| What is one less than 19? | |
| What is two less than 19? | |
| What is one more than 19? | |
| What is two more than 19? | |

Fill in the missing numbers.

These are also called even numbers.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 3 | | 5 | | 7 | | 9 | |
| 11 | | 13 | | 15 | | 17 | | 19 | |

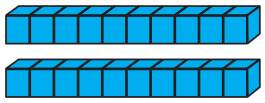
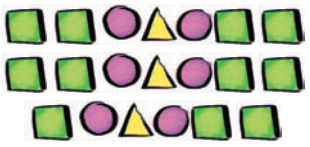
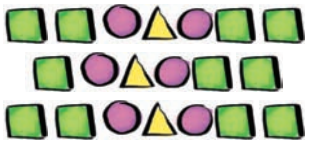
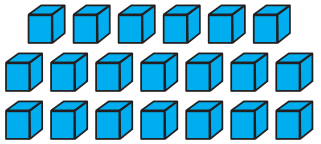
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Number 20

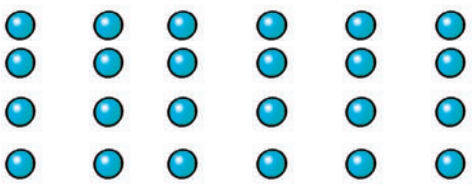
Match the pictures.

| | |
|---|---|
|  |  |
|  | 20 |
| 10 10 |  |
| 20 | |
| | 10 10 |

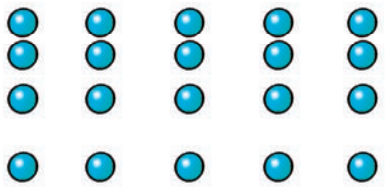
Trace the numbers.

| | |
|---|---|
| 20 20 20 20 | |
| twenty | |
| 20 20 20 20 | |
| twenty | |

Circle only 20 beads.

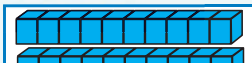
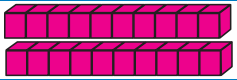
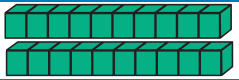


How many are left? ___



How many are left? ___

Complete the table. Each row has a picture, a number and the word for that number.

| | | |
|---|---|---|
|  | 20 | twenty |
| | | twenty |
| 20 |  | |
| | |  |

What is one less than 20?

_____

What is one more than 20?

_____

Join the number to the word.

| | |
|---|---|
| 0 | four |
| 1 | seven |
| 2 | nine |
| 3 | three |
| 4 | eleven |
| 5 | twelve |
| 6 | one |
| 7 | two |
| 8 | eight |
| 9 | zero |
| 10 | five |
| 11 | six |
| 12 | thirteen |
| 13 | ten |
| 14 | fourteen |

Fill in the missing number.

| Before | | After |
|---|---|---|
| 16 | 17 | |
| | 12 | |
| | 14 | |
| | 9 | 10 |
| | 6 | |

Use the words **less** and **more** to complete these:

35 is _____ than 38

79 is _____ than 65

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Addition

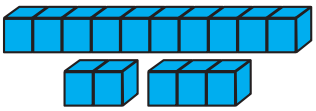
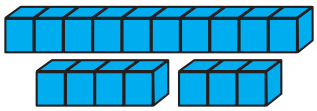
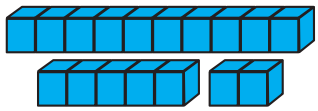
Circle the bigger number in each block.

| | | | | | |
|---|---|---|---|---|---|
| 3<br>8 | 5<br>7 | 15<br>12 | 11<br>6 | 20<br>17 | 8<br>18 |

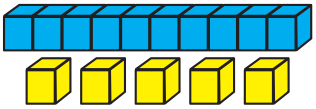
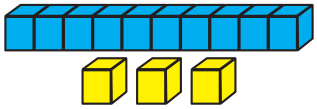
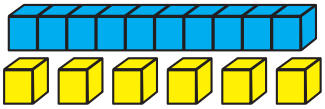
Add the following. Start by putting the biggest number first.

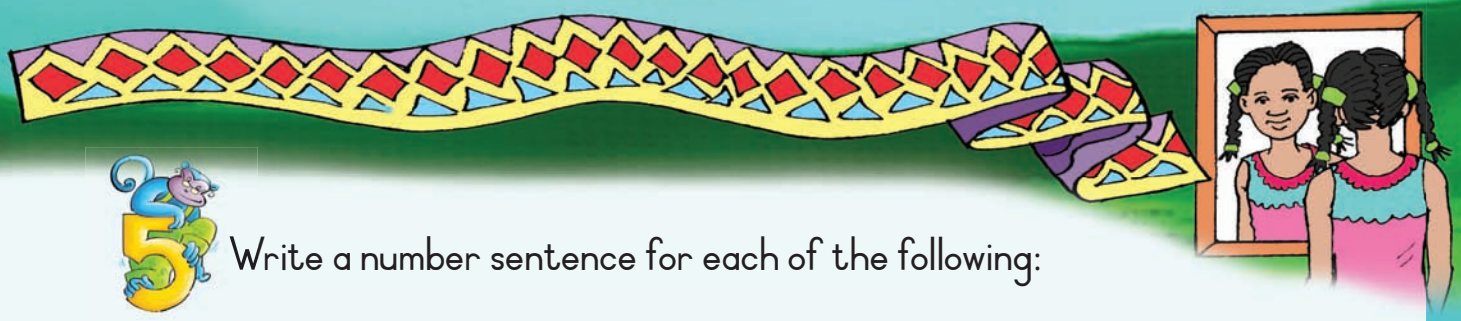
| | |
|---|---|
| 1 + 1 + 5 = | 5 + 1 + 1 = |
| 6 + 2 + 10 = | |
| 3 + 4 + 2 = | |
| 2 + 6 + 3 = | |
| 1 + 10 + 2 = | |

Add the blocks.

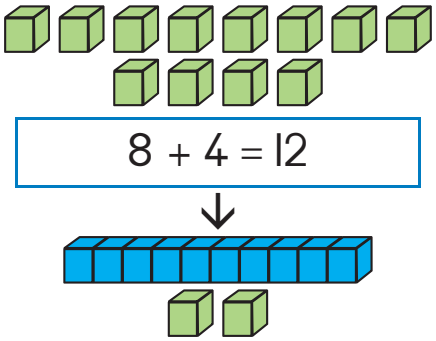
| | | |
|---|---|---|
|  |  |  |
| 10 + 2 + 3 = 15 | | |
| 10 + 5 = 15 | | |

Write a number sentence for the following:

| | | |
|---|---|---|
|  |  |  |
| | | |

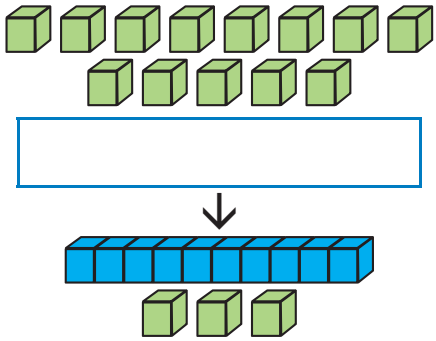


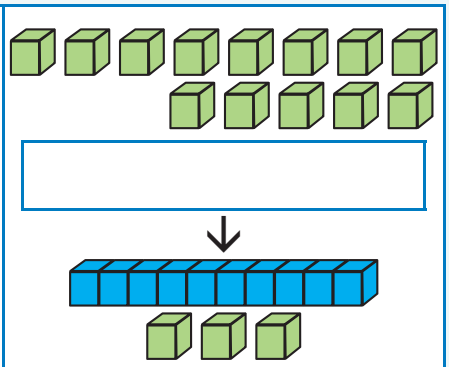
## 5 Write a number sentence for each of the following:

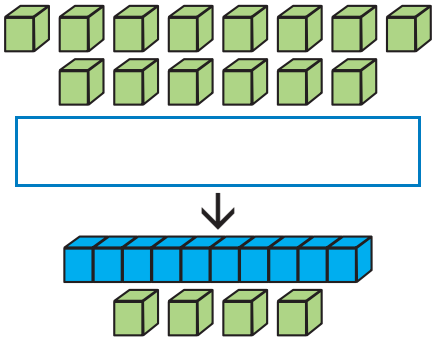


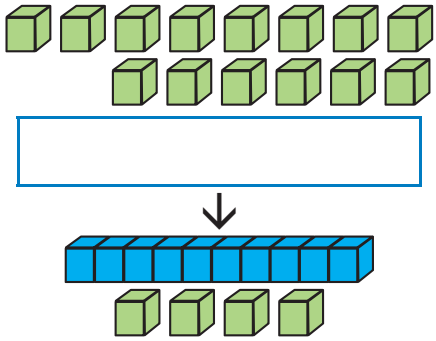
8 + 4 = 12

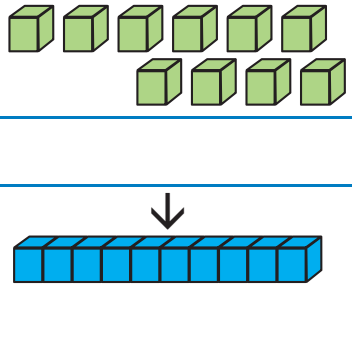
10 + 2 = 12











## Fill in the missing numbers.

| | | | | |
|---|---|---|---|---|
| | + | 14 | = | 17 |
| 9 | + | | = | 20 |
| 12 | + | 8 | = | |
| 15 | + | | = | 20 |
| | + | 6 | = | 13 |
| 14 | + | 3 | = | 0 |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

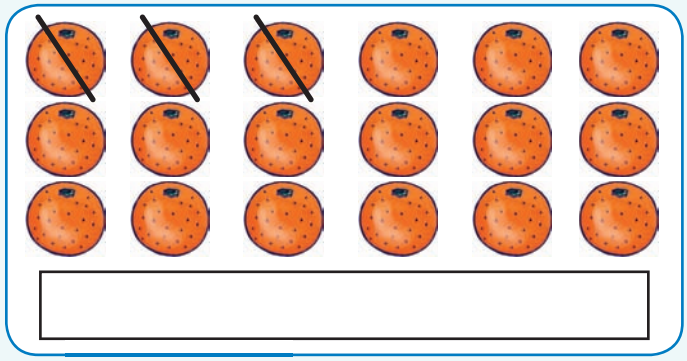
Date:

# Subtraction

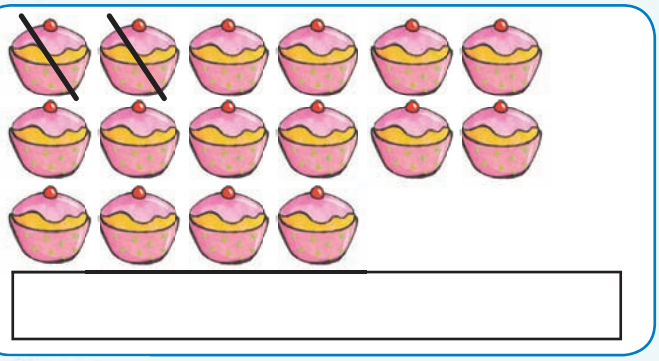
Calculate.

| | | |
|---|---|---|
| 17 | − 4 | |
| 19 | | |
| 14 | | |
| 12 | | |

Write a number sentence.



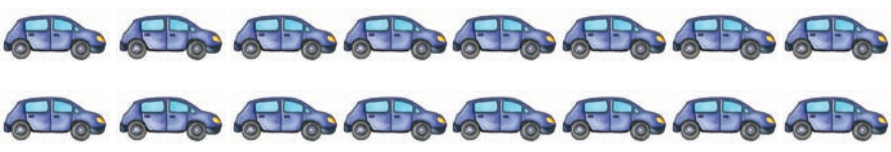
Write a number sentence.



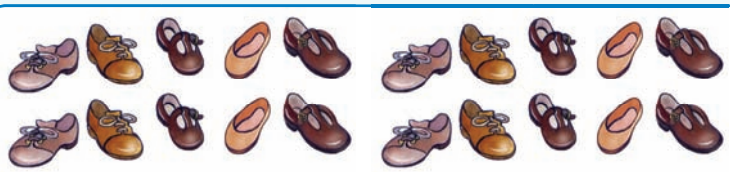
Calculate.

| | | |
|---|---|---|
| 18 | − 4 | |
| 7 | | |
| 15 | | |
| 9 | | |

Complete the sums using the drawings.



16 − ☐ = 11

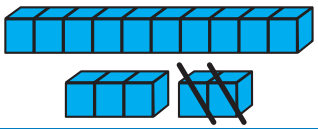
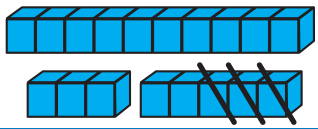
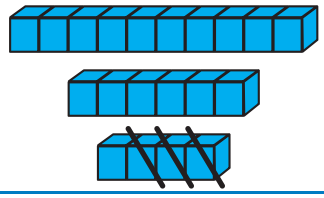


10 + ☐ = ☐



0 1 2 3 4 5 6 7 8 9 10

Subtract the blocks.

| | | |
|---|---|---|
|  |  |  |
| (10 + 3) − 2 = | | |
| 13 − 2 = | | |

Calculate the following:

| | |
|---|---|
| 11 + 7 = ☐<br>11 + 4 + ☐ = ☐ | 11 + 7 = ☐<br>11 + 5 + ☐ = ☐ |
| 19 − 7 = ☐<br>19 − (5 + ☐) = ☐ | 17 − 9 = ☐<br>17 − (7 + ☐) = ☐ |

Complete the following:

| | | |
|---|---|---|
| Double 5 is ☐ | Double 3 is ☐ | Double 4 is ☐ |
| Double 7 is ☐ | Double 2 is ☐ | Double 8 is ☐ |
| Double 10 is ☐ | Double 9 is ☐ | Double 1 is ☐ |

Answer the following:

| | | | | |
|---|---|---|---|---|
| 9 + 9 − 1 = | | or | Double 9 − 1 = | |
| | | or | Double 5 − 1 = | |
| 4 + 4 − 1 = | | or | | |

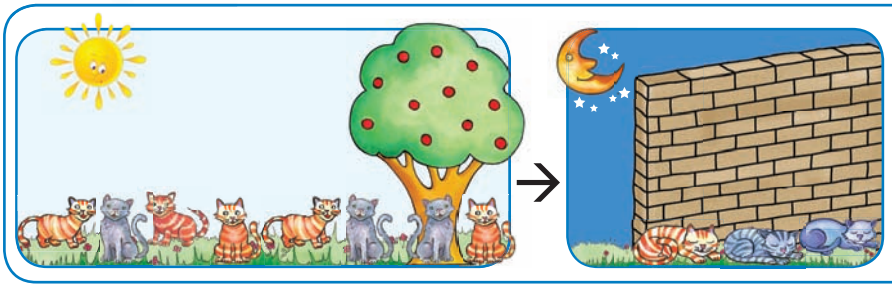
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

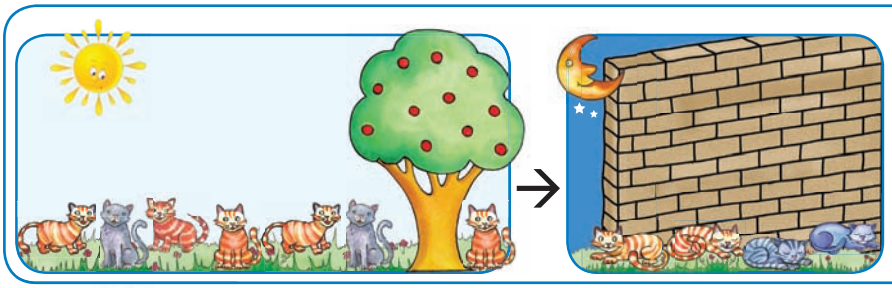
Date:

# Addition and subtraction

Count how many cats there are sitting in the sun.
At night, some of them go to sleep behind the wall.
Work out how many are behind the wall and write it down.



3 + ☐ = 8

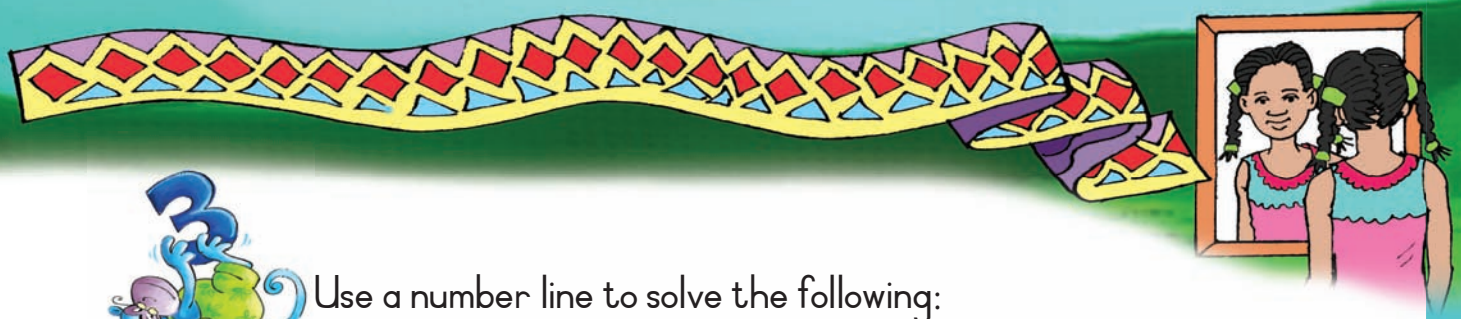


4 + ☐ = ☐

Solve the following.
You can make a drawing to help you.

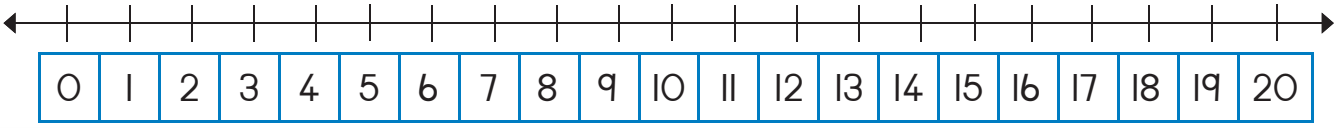
Lerato had 4 oranges. Peter gave her 13 oranges.
How many oranges does she have now?

Mandla has 5 pencil crayons. Anne has 8 pencil crayons.
Who has fewer pencil crayons?

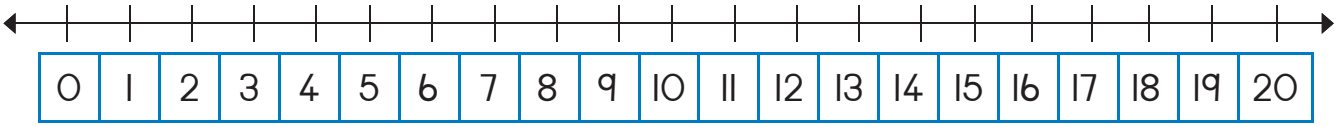


Use a number line to solve the following:

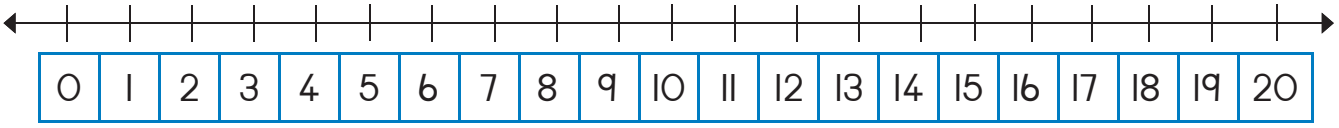
Thandi has 6 green and 9 blue marbles.
How many marbles does she have?



Lerato has 16 marbles. Eight are green and the rest are blue.
How many blue marbles does Lerato have?



Thandi has 19 bananas. Themba has 10 bananas.
How many more bananas does Thandi have than Themba?



| Which numbers lie between 25 and 30? | |
|---|---|

Circle the number that is 1 more than 76.

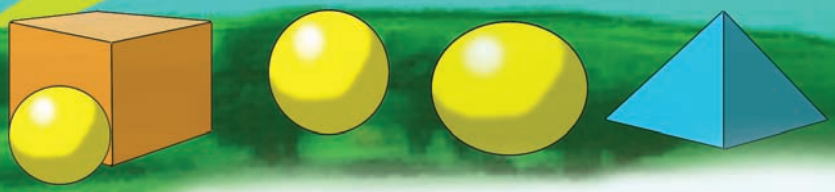
| 74 | 75 | 76 | 77 | 78 |
|---|---|---|---|---|

Circle the number that is 2 more than 76.

| 74 | 75 | 76 | 77 | 78 |
|---|---|---|---|---|

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Date:

# Ordinal numbers

Who came first in the race?
Write the position below them.

| Sipho | Lerato | John | Peter | Ann |
|---|---|---|---|---|
| | | | | |
| | 2 | 3 | | |

Draw them on the podium.

Who got gold? _____

Who got silver? _____

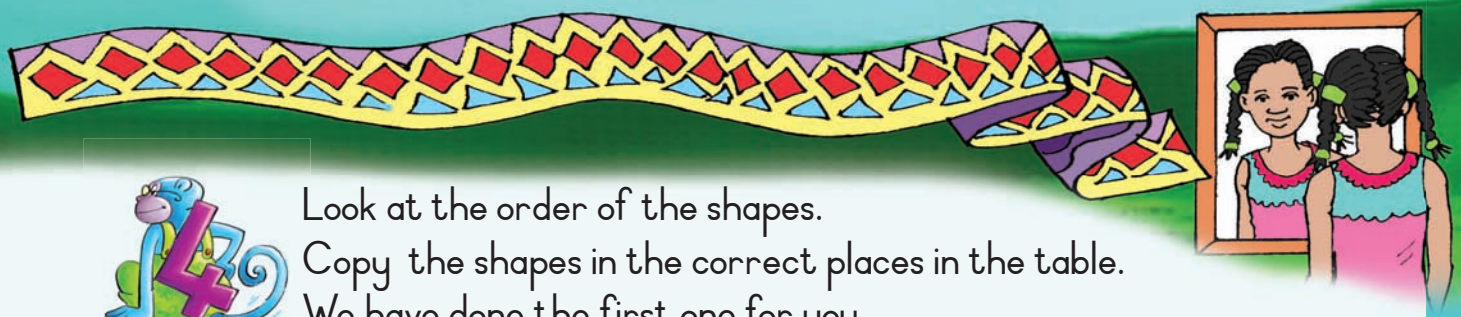
Draw a string of beads as follows:

The first bead is blue.
The second bead is red.
The third bead is green.
The fourth bead is yellow.
The fifth bead is blue.
The sixth bead is red.
The seventh bead is green.
The eighth bead is yellow.
The ninth bead is blue.
The tenth bead is red.

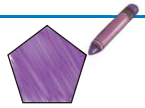
My string of beads.



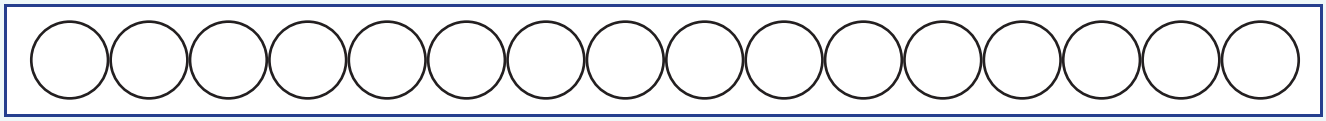
0 1 2 3 4 5 6 7 8 9 10



Look at the order of the shapes.
Copy the shapes in the correct places in the table.
We have done the first one for you.

| Which shape is: | | | |
|---|---|---|---|
| Fourth |  | Seventh | |
| Fifth | | Ninth | |
| Second | | Last | |
| Third | | Sixth | |

Do the following:



Colour the first circle red.

Colour the fifth circle yellow.

Colour the eighth circle blue.

Draw a 10 to 20 number line.
Circle the third and the eighth numbers.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

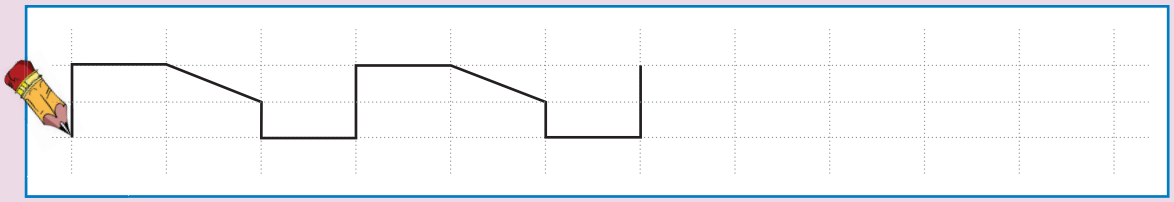
Date:

# Objects and shapes

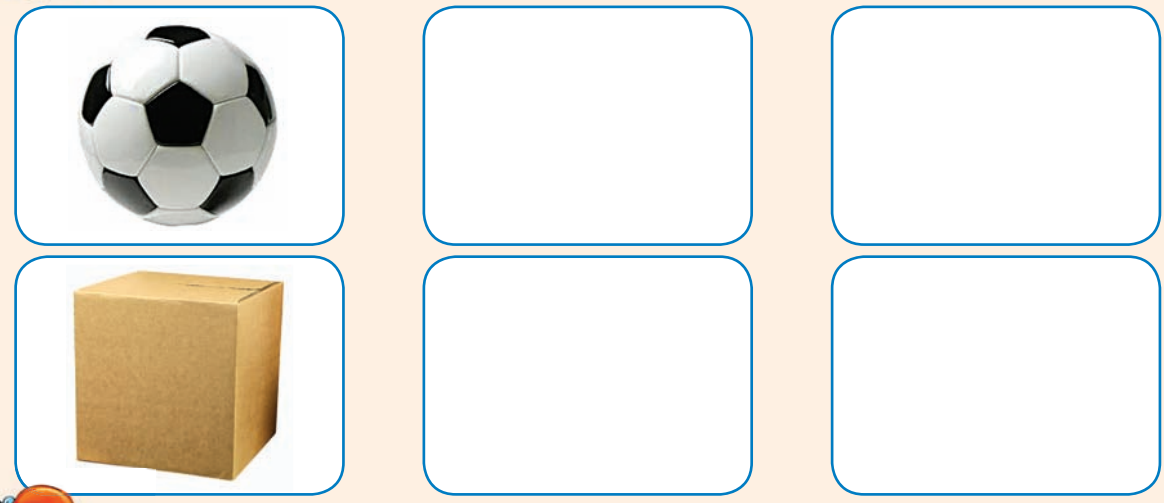


## Revision:

Revision: Complete the pattern.

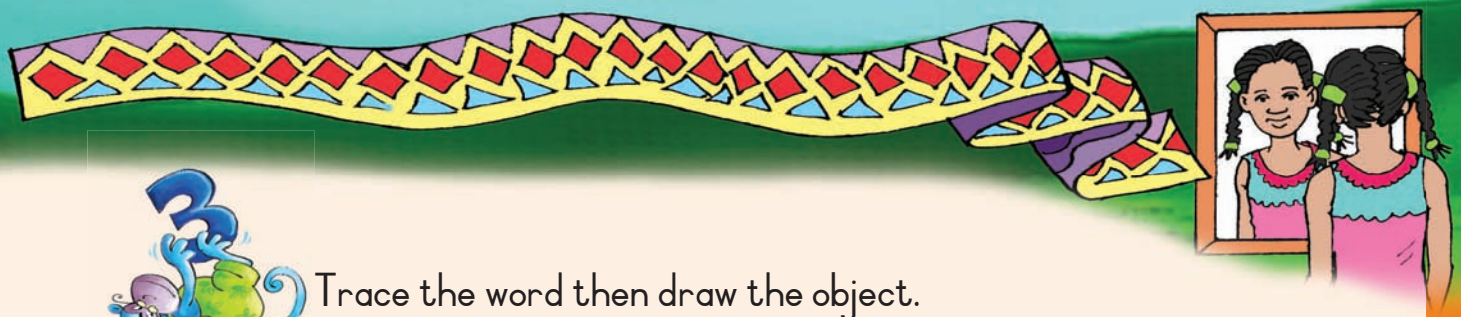


1 Find two pictures of a ball and two pictures of a box in a newspaper or magazine and paste them below.



2 Draw a blue circle around all the objects that can slide.
Draw a red square around all the objects that can roll.

0 1 2 3 4 5 6 7 8 9 10

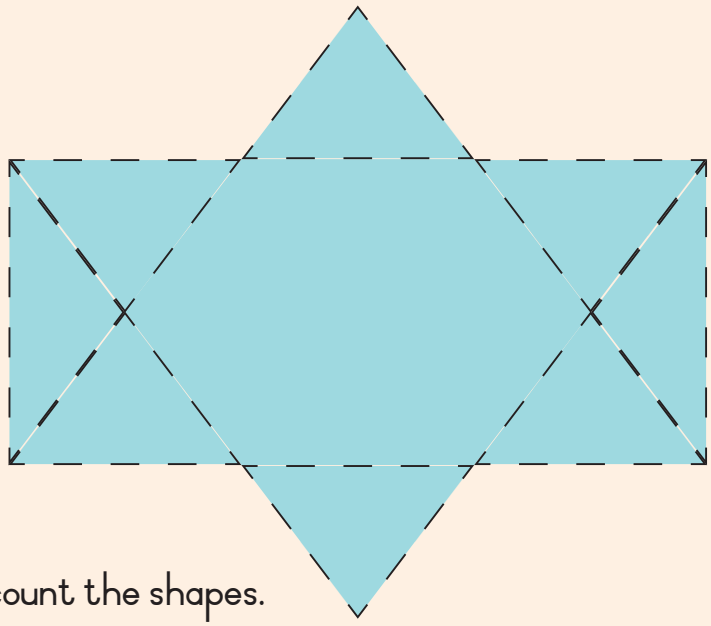


Trace the word then draw the object.

box

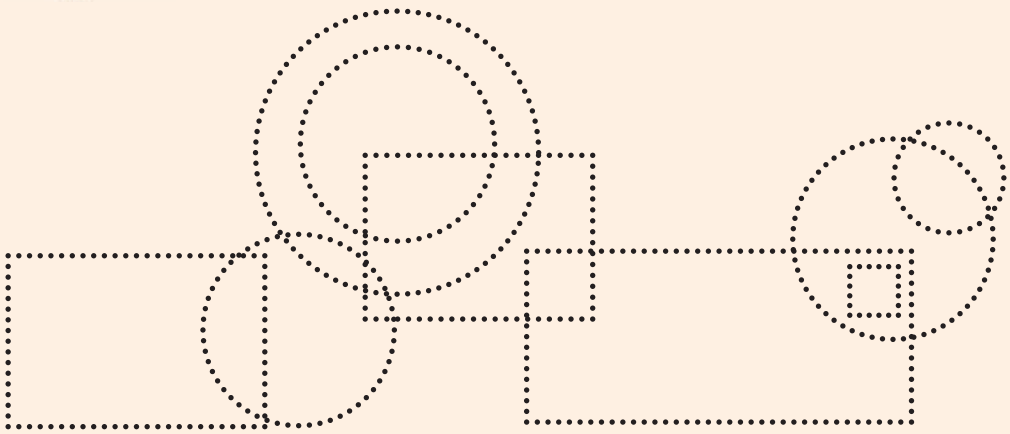
ball

Count all the triangles and write the number.



Answer:

Trace and count the shapes.



Circles

Squares

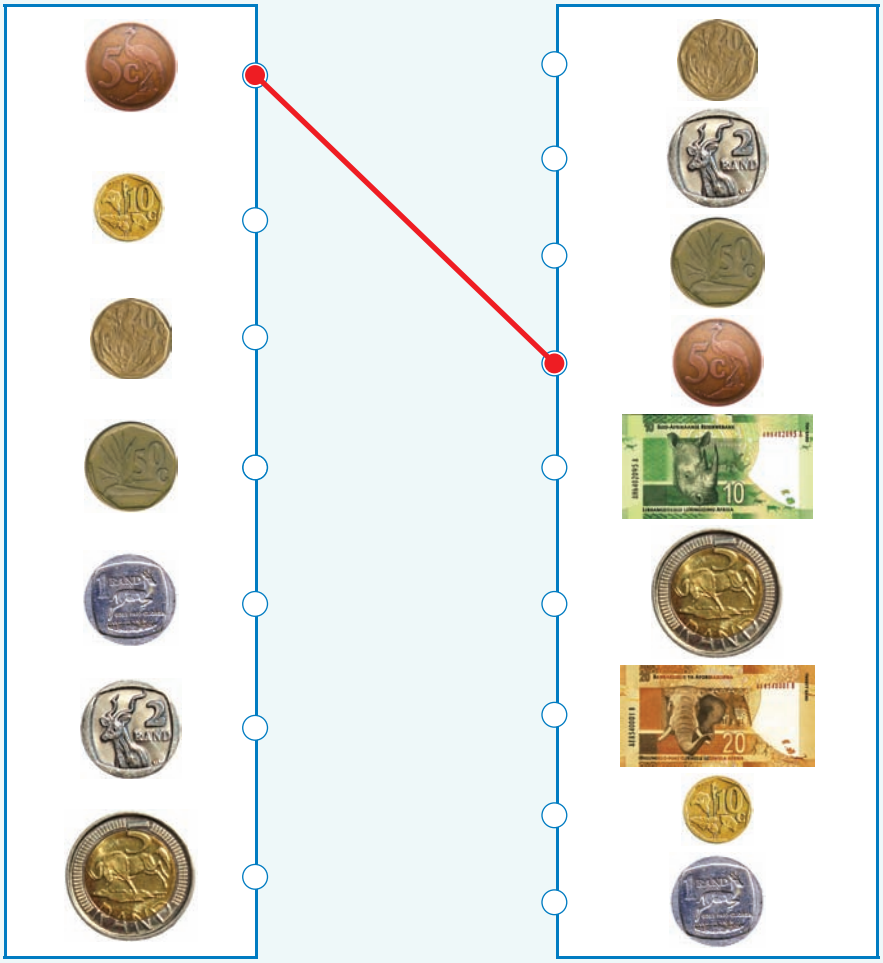
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Money

Which coins can you match?

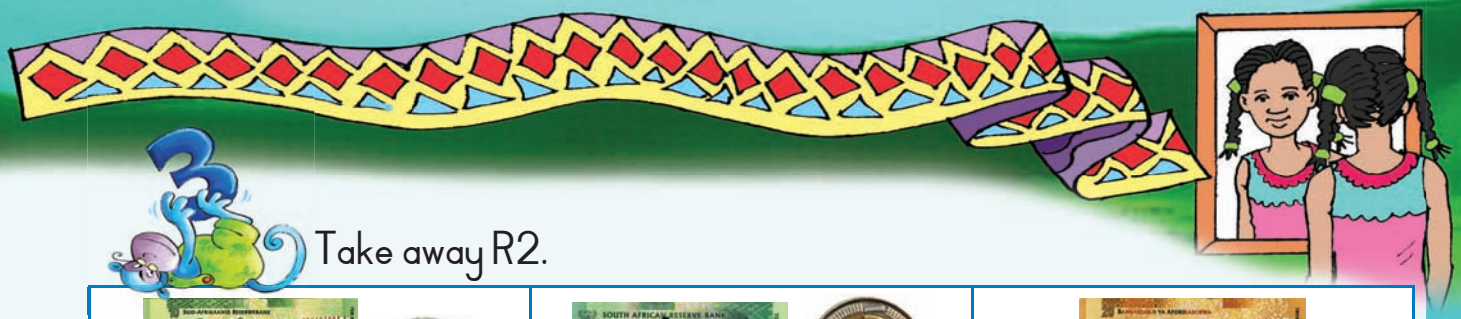


Tick the coins and notes in each block that will give you the following:

| | | | |
|---|---|---|---|
| R10 | | | |
| R20 | | | |
| R15 | | | |



0 1 2 3 4 5 6 7 8 9 10



Take away R2.

R12 – R2 = R10

Take away R5.

R15 – R5 = R10

How many different combinations can you draw for R20?
We did the first one for you.

Circle the coin in each line with which you can buy the most.

Teacher:
Sign:
Date:

Date:

# More money

Calculate.

| | | |
|---|---|---|
| R5 | + R7 | |
| R9 | | |
| R7 | | |
| R4 | | |

Calculate.

| | | |
|---|---|---|
| R13 | − R6 | |
| R15 | | |
| R17 | | |
| R14 | | |

Fill in the answer.

| | |
|---|---|
| R10 + R1 = | |
| R10 + R2 = | |
| R10 + R3 = | |
| R10 + R4 = | |
| R10 + R5 = | |

Which is more?
Circle your answer.

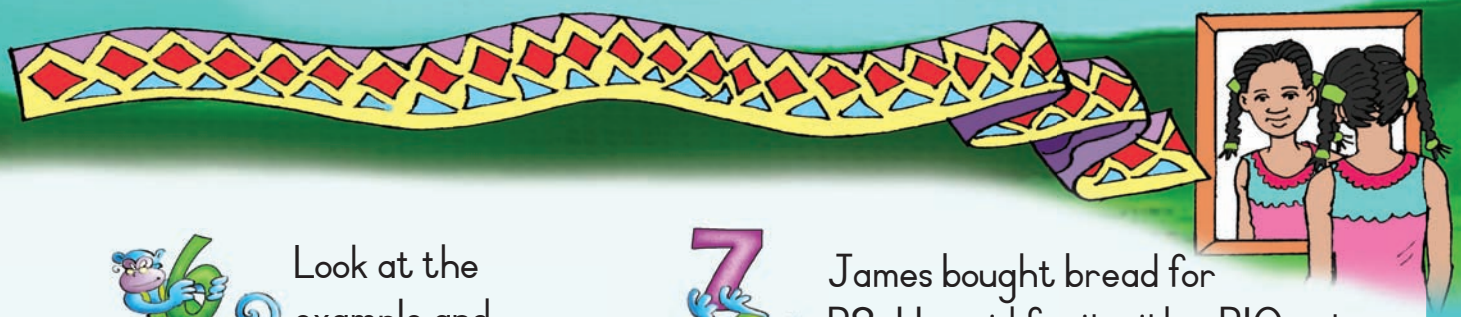
| |
|---|
| 5c or R5 |
| 20c or R20 |
| R1 or 50c |
| R2 or R1 |
| 20c or 50c |

Add the numbers sideways and downwards and fill in the answers.

| | | | |
|---|---|---|---|
| R2 | R4 | R9 | = |
| R7 | R3 | R5 | = |
| R6 | R8 | R1 | = |
| = | = | = | = |



0 1 2 3 4 5 6 7 8 9 10



Look at the example and complete the rest.

| R17 | = | R10 | + | R7 |
|---|---|---|---|---|
| R16 | = | | + | |
| R15 | = | | + | |
| R14 | = | | + | |
| R13 | = | | + | |
| R12 | = | | + | |

James bought bread for R8. He paid for it with a R10 note. How much change did he get?

What is the question?

_____

_____

Write down the numbers.

_____

Write down the sum and calculate it.

_____

Busi's mother bought a hat for R17. She paid with two R10 notes. How much change did she get?

What is the question?

_____

_____

Write down the numbers.

_____

Write down the sum and calculate it.

_____

Judy's birthday was on Sunday. She received R5 from her sister, R2 from her brother and R10 from her cousin. How much money did she get altogether?

What is the question?

_____

_____

Write down the numbers.

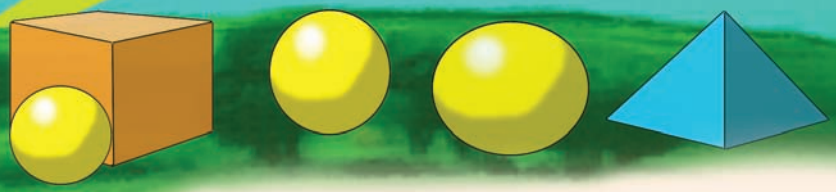
_____

Write down the sum and calculate it.

_____

Teacher:
Sign:
Date:

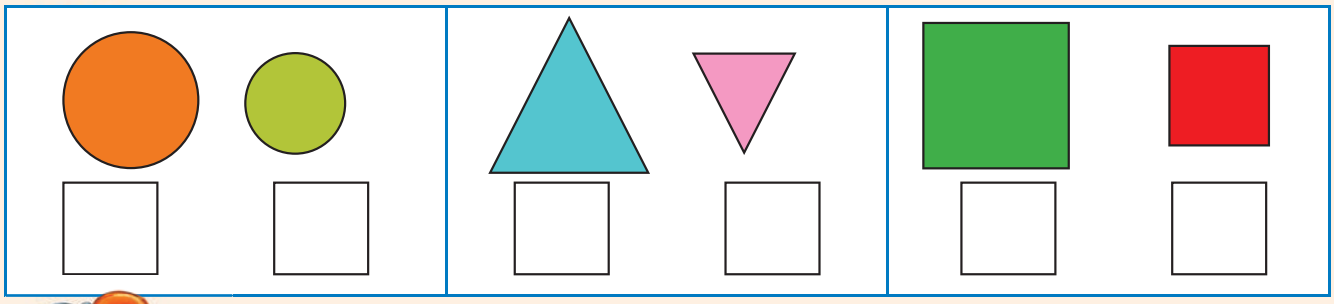
11 12 13 14 15 16 17 18 19 20



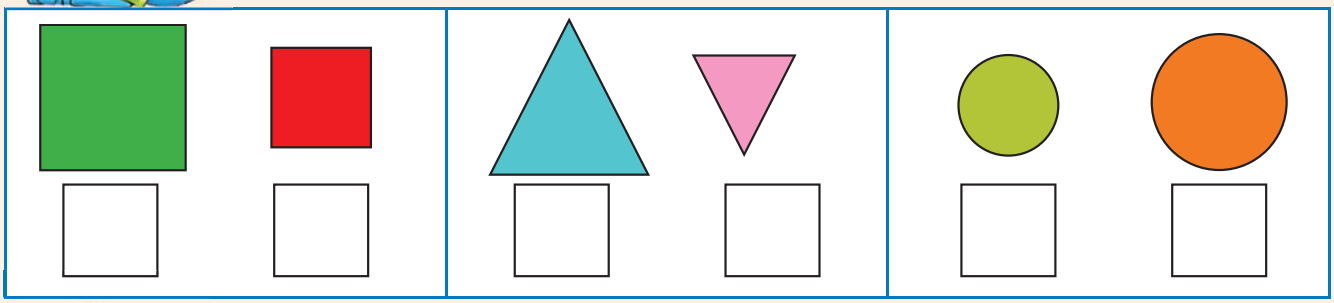
Date:

# 2-D shapes

Tick the smallest shape in each block.

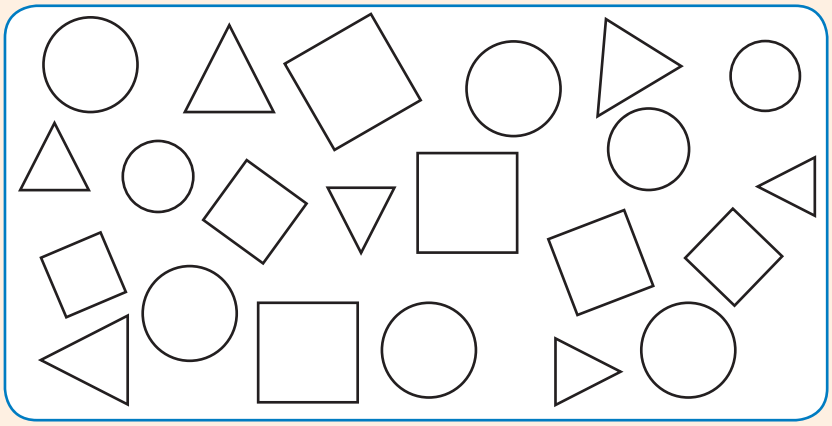


Tick the largest shape in each block.

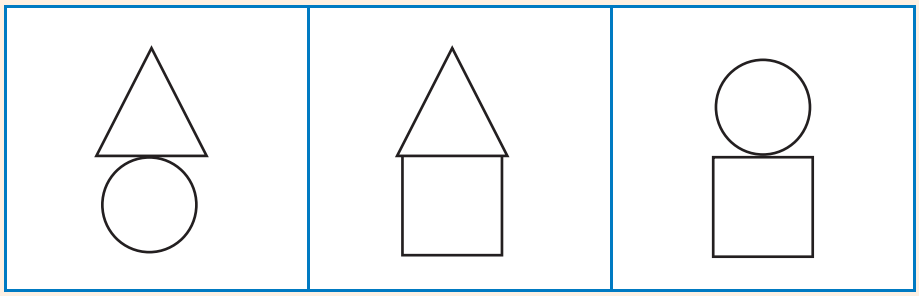


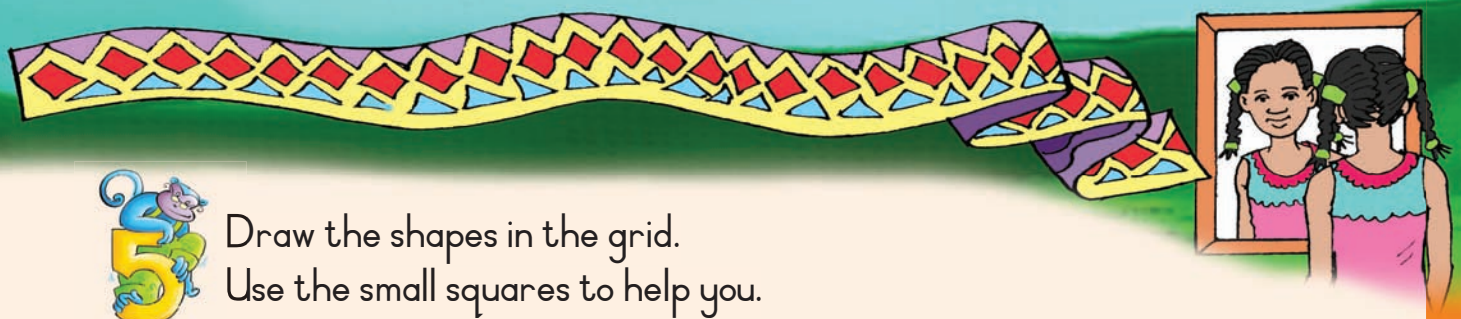
Colour all the:

- squares blue
- triangles red
- circles green

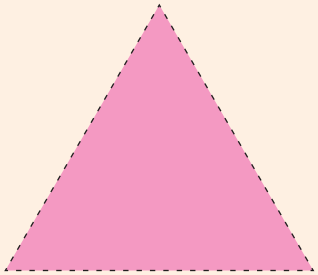


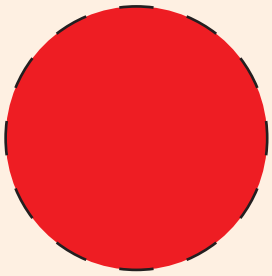
Make a picture using shapes. We started each picture with 2 shapes.



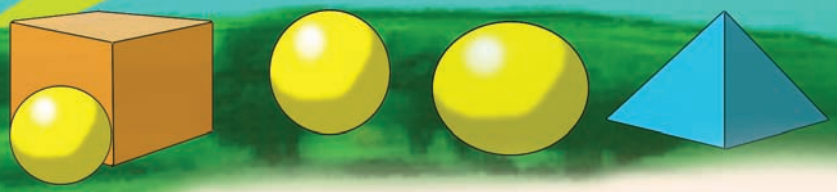


Draw the shapes in the grid.
Use the small squares to help you.





Teacher:
Sign:
Date:



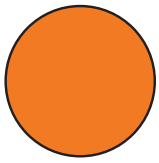
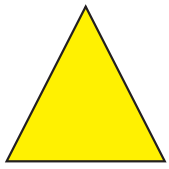
Date:

# 2-D shapes – straight and round sides

Trace the following shapes.

| | | |
|---|---|---|
| triangle | circle | square |
| circle | triangle | square |

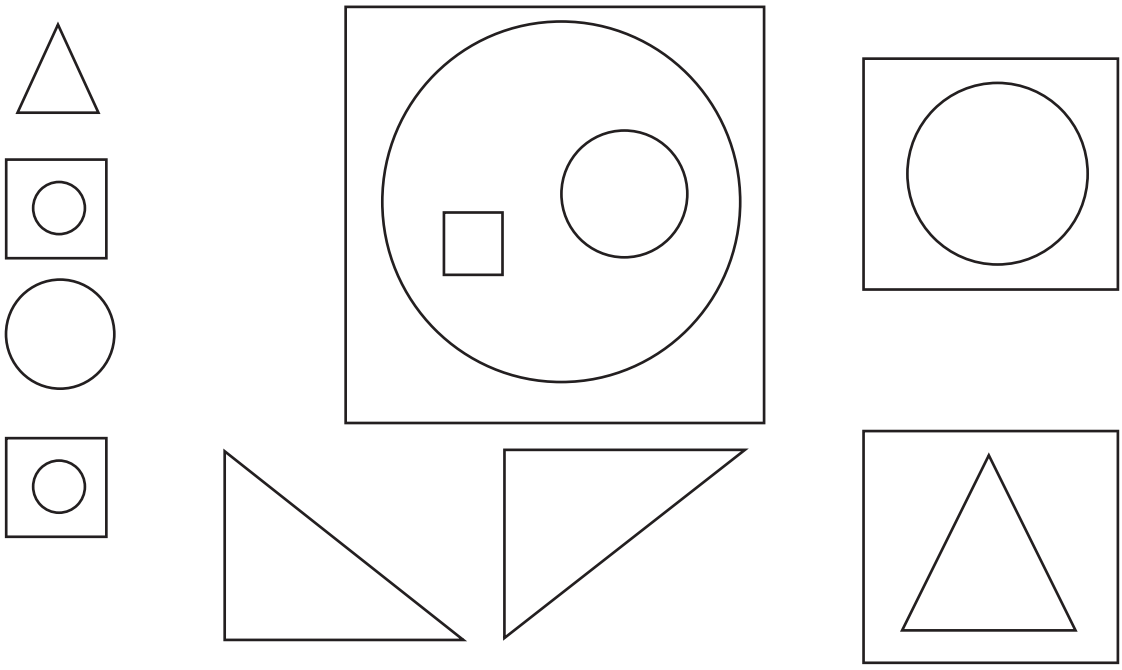
Tick to say if the shape has straight or round sides.

| | | |
|---|---|---|
|  round sides ☐ straight sides ☐ | round sides ☐ straight sides ☐ |  round sides ☐ straight sides ☐ |

Draw a shape with:

| straight sides | round sides |
|---|---|
| | |

## 4 Count the number of circles, squares and triangles.



Circles ☐ Squares ☐ Triangles ☐

## 5 Find a picture from a magazine of something that has:

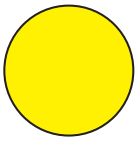
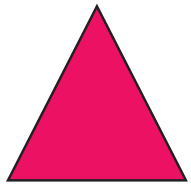
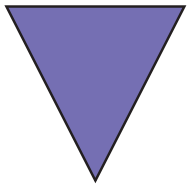
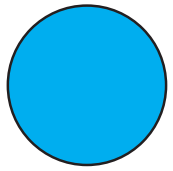
| round sides | straight sides |
| --- | --- |
| | |

Teacher:
Sign:
Date:

Date:

# More 2-D shapes

Name the following shapes:

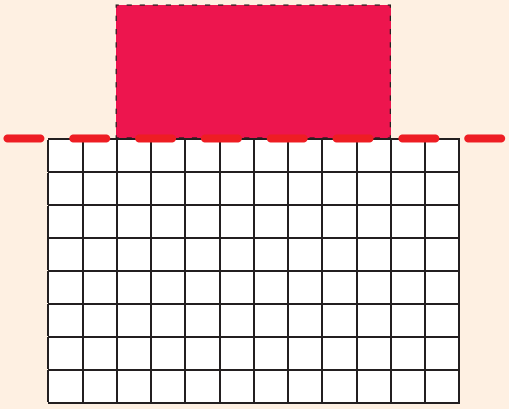
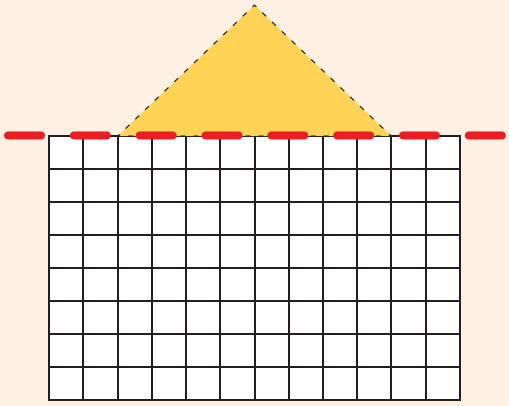
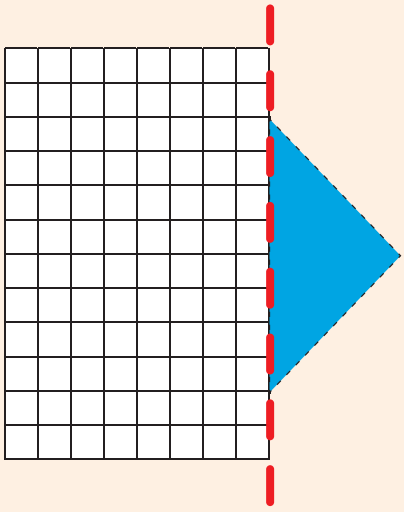
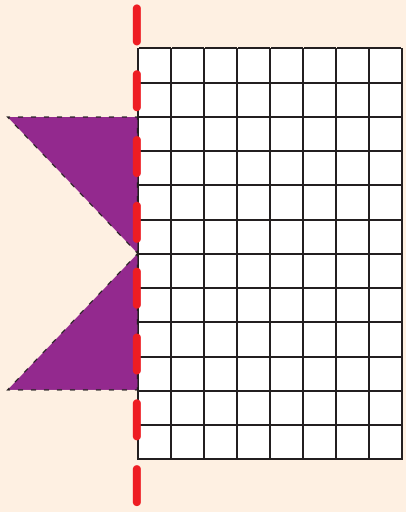
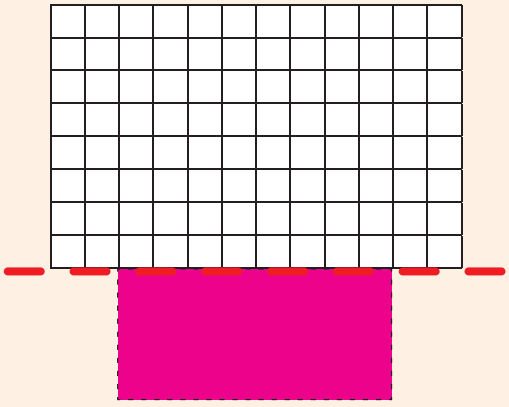
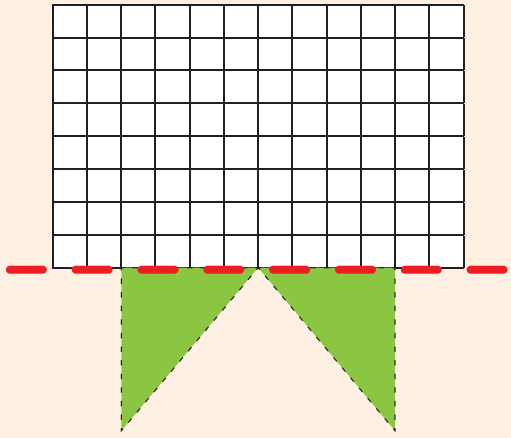
| | | |
|---|---|---|
|  | |  |
| | | |
| |  |  |
| | | |

Draw your own picture using circles, triangles and squares only.



0 1 2 3 4 5 6 7 8 9 10

Draw the other half of each shape.
Use the small squares to help you.

They all have straight round sides.

Teacher:
Sign:
Date:

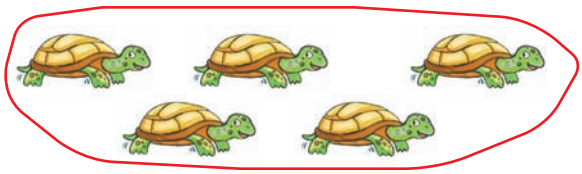
11 12 13 14 15 16 17 18 19 20

Date:

# Groups of five up to 20

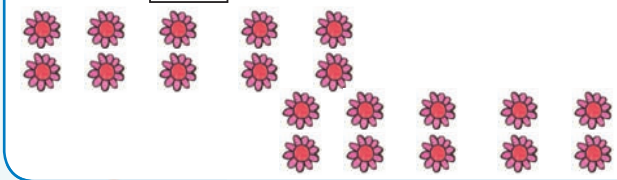
Draw circles to make groups of five.
How many groups of five do you have?

1 group of 5



☐ groups of 5

☐ groups of 5



☐ groups of 5

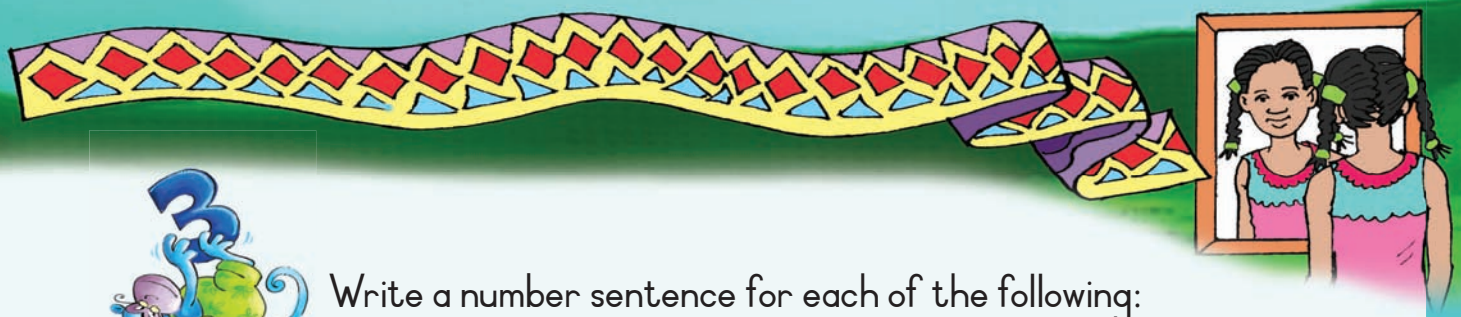
Count the number of fingers. Write down your answer.

5 + 5 + 5 = ☐

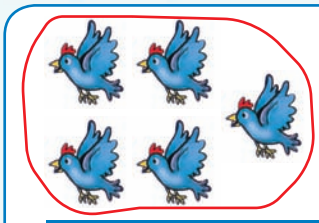
5 + 5 + 5 + 5 = ☐

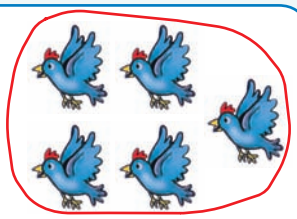
5 + 5 + 5 + 5 + 5 = ☐

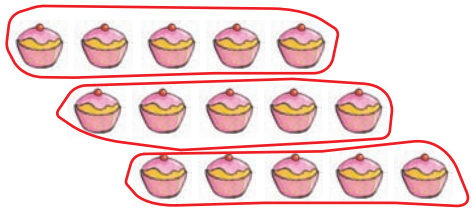
5 + 5 + 5 + 5 + 5 + 5 = ☐

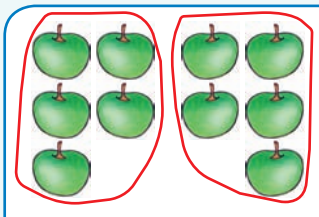


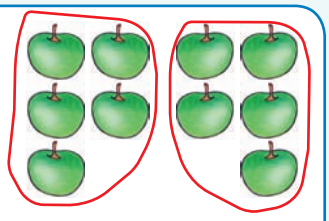
## 3 Write a number sentence for each of the following:

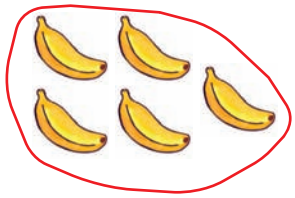


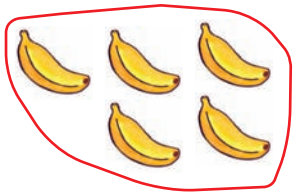












## 4 Answer the questions.

How many 5c coins do you see?

Write it as a number sentence:

## 5 Fill in the missing numbers.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 6 | 7 | 8 | 9 | |
| 11 | 12 | 13 | 14 | | 16 | 17 | 18 | 19 | |

Teacher:
Sign:
Date:

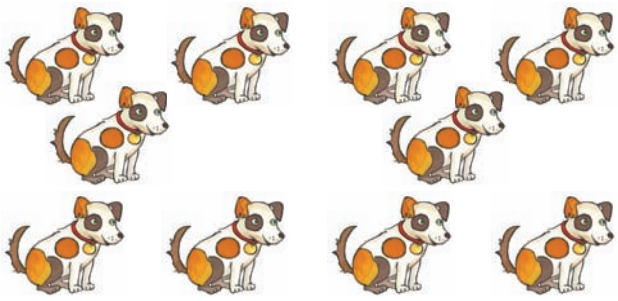
11 12 13 14 15 16 17 18 19 20

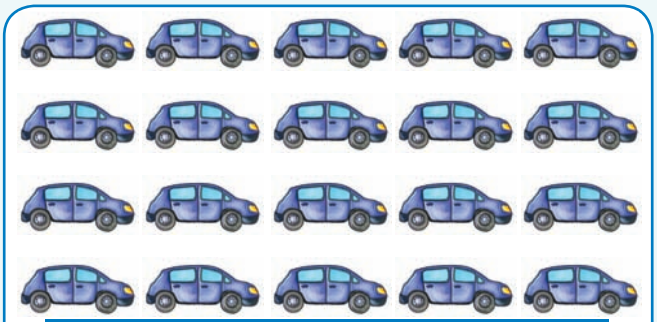
Date:

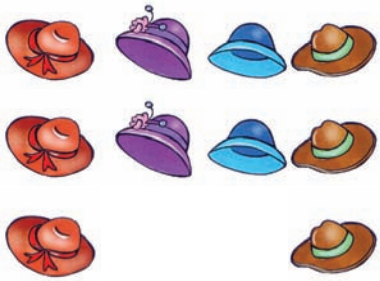
# Fives – repeated addition up to 20



Make groups of five and write the number sentence.







Draw groups of shapes to show the number sentences.

5 + 5 + 5 = ☐

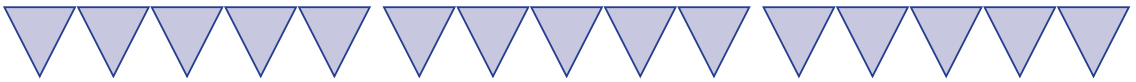
5 + 5 + 5 + 5 = ☐



0 1 2 3 4 5 6 7 8 9 10

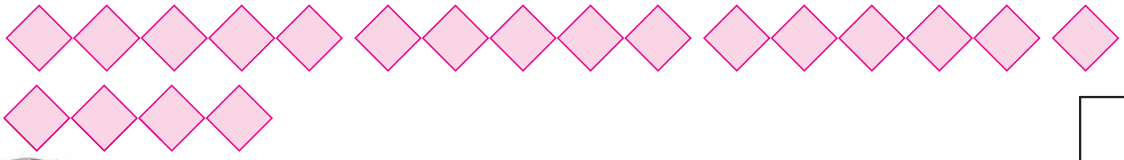
3 Write a number sentence for each of the following:

5 + 5 = ☐



☐

☐



☐

4 How many times do you count five numbers? _____

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

5 There are 3 hands on the window. How many fingers are on the window? Draw a picture and write a number sentence.

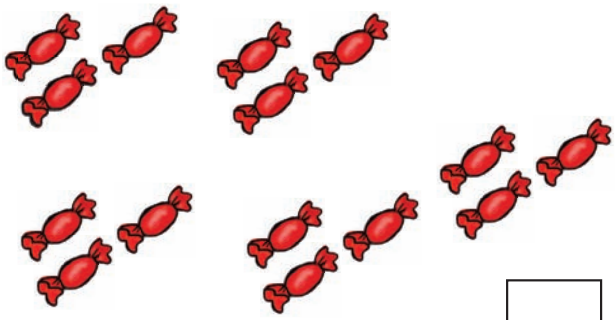
Teacher:
Sign:
Date:

Date:

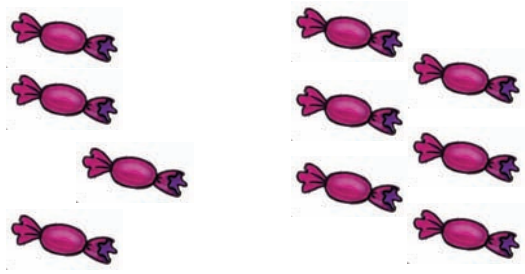


# Sharing up to 20

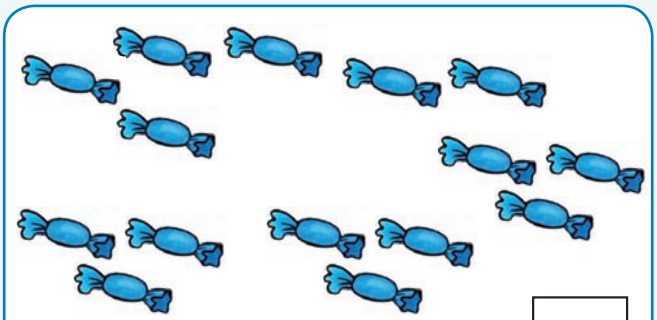
Share the sweets between five friends.
How many sweets will each get?



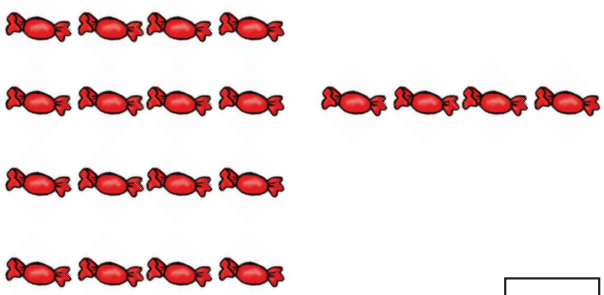
Each friend will get sweets. ☐



Each friend will get sweets. ☐



Each friend will get sweets. ☐

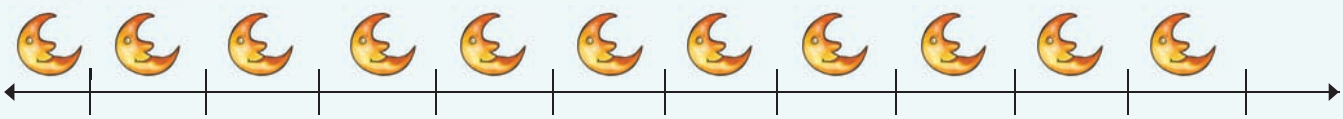


Each friend will get sweets. ☐

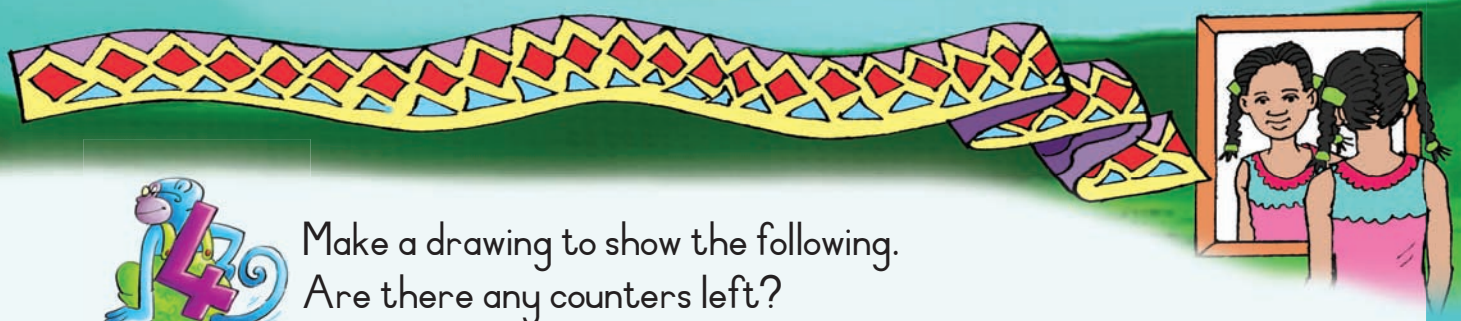
Colour the multiplies of five.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Fill in the missing numbers.



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 11 | 12 | 13 | 14 | | 16 | | 18 | 19 | |



Make a drawing to show the following.
Are there any counters left?

| | |
|---|---|
| Share 10 counters between five children.<br><br>There are ☐ counters left. | Share 6 counters between five children.<br><br>There are ☐ counters left. |
| Share 11 counters between five children.<br><br>There are ☐ counters left. | Share 16 counters between five children.<br><br>There are ☐ counters left. |

Write a number sentence for each of the following:

5 + 5 = ☐

☐

☐

☐

Teacher:
Sign:
Date:

Date:

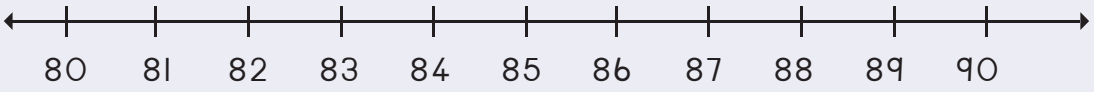
# Number patterns – fives to 100

Complete the pattern by colouring the multiples of five.

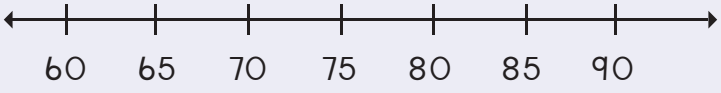
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Draw hoops to show the following:

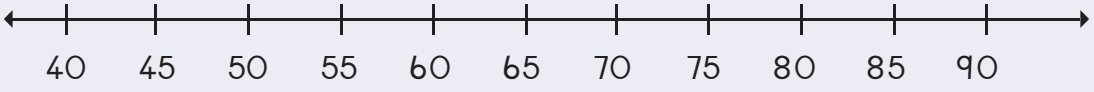
86, 88, 90




70, 75, 80

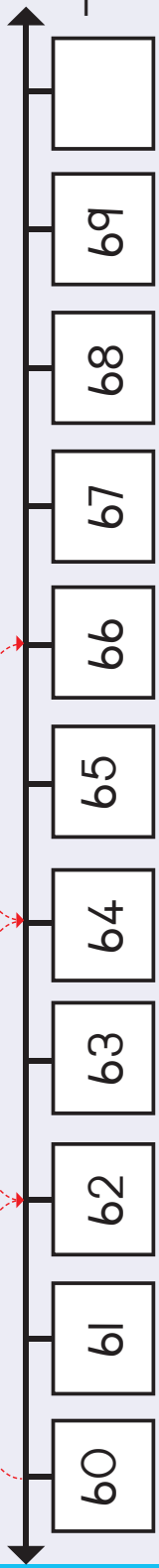


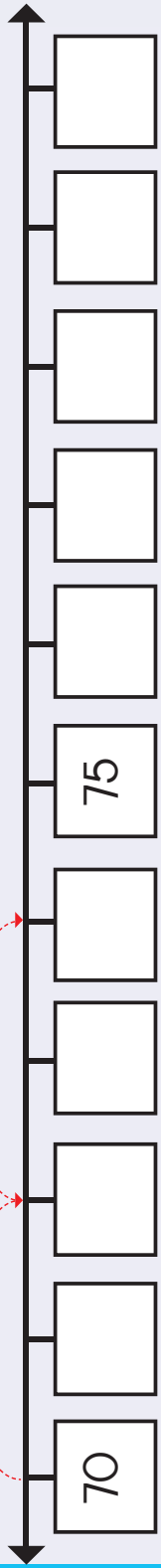

55, 60, 65, 70

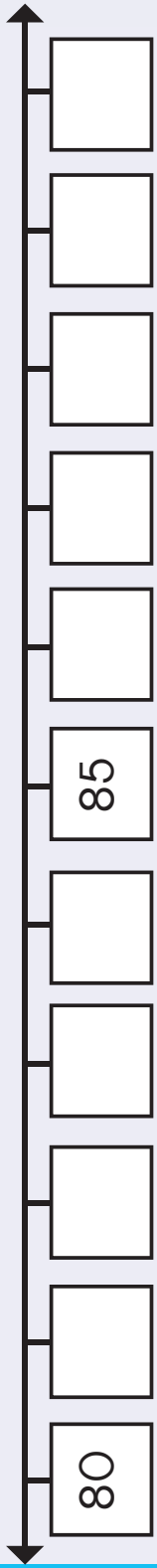


Use the clock to show counting the minutes in fives.

Place numbers from Cut-out 2 on the places where numbers are missing on these number lines. Also complete the hoops.




Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Position and view

Match the front and the back of each animal.

| Front | Back |
|---|---|
| | |
| | |
| | |
| | |

Circle the arrow that matches the shaded arrow.

| | |
|---|---|
| ↑ | |
| ↓ | |
| ← | |
| → | |

| | | | |
|---|---|---|---|
| → | ← | ↑ | ↓ |
| ↑ | ↓ | → | ← |
| → | ← | ↑ | ↓ |
| ↑ | ← | ↓ | → |



0 1 2 3 4 5 6 7 8 9 10

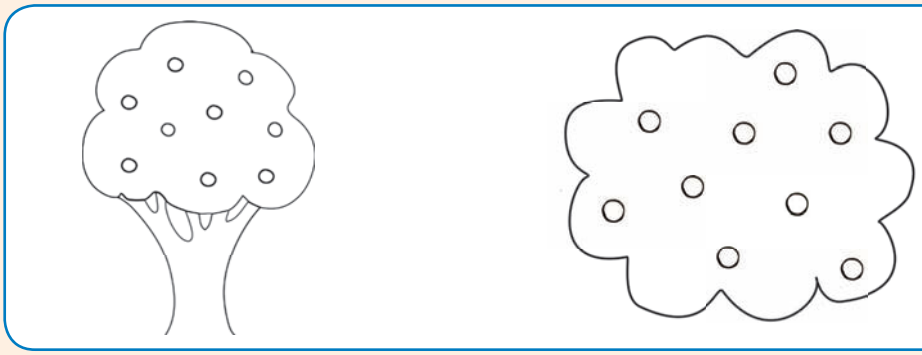
## 3 Colour the correct view

| | | |
|---|---|---|
| | | |
| Top view | Top view | Back view |
| Side view | Side view | Side view |
| Front view | Front view | Front view |

## 4 Where is the cat? Colour the correct answer.

| | | |
|---|---|---|
| | | |
| Behind | Behind | Behind |
| In front | In front | In front |
| Next to | Next to | Next to |

## 5 Look at the tree pictures. Colour the top view.



Teacher:
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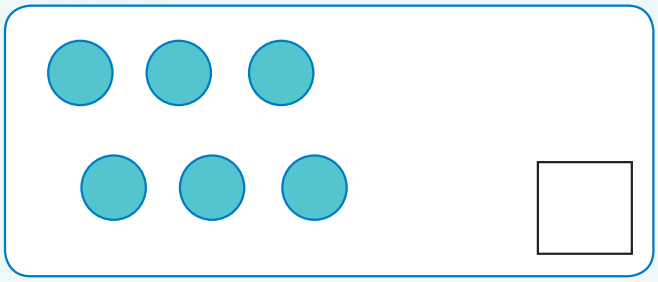
Date:

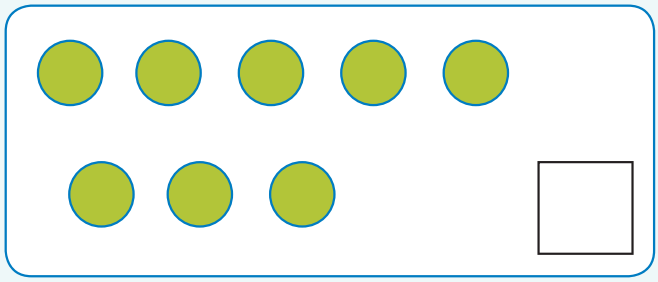
Date:

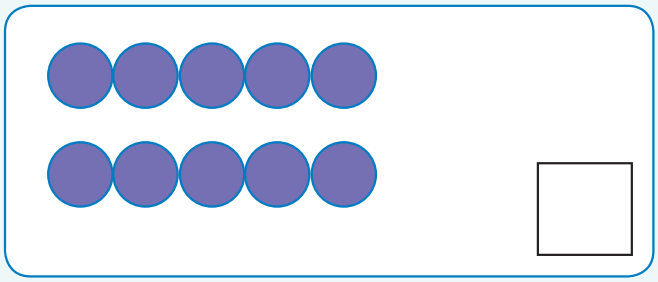


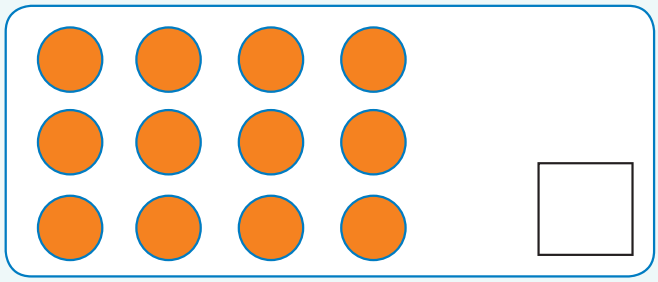
# Groups of twos up to 20

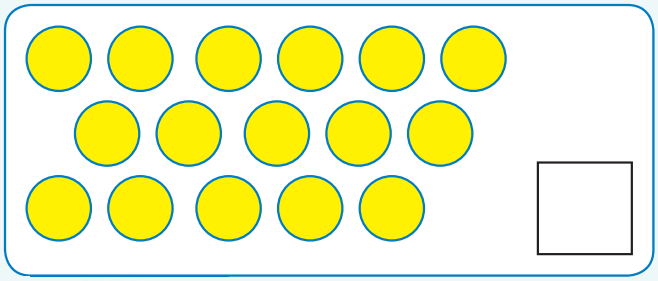
Make groups of two. Write down how many groups there are.

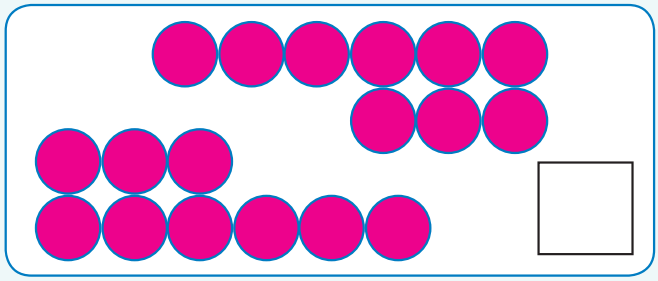




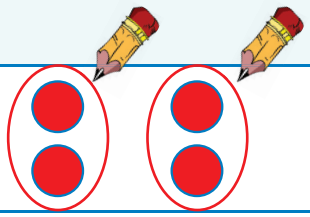


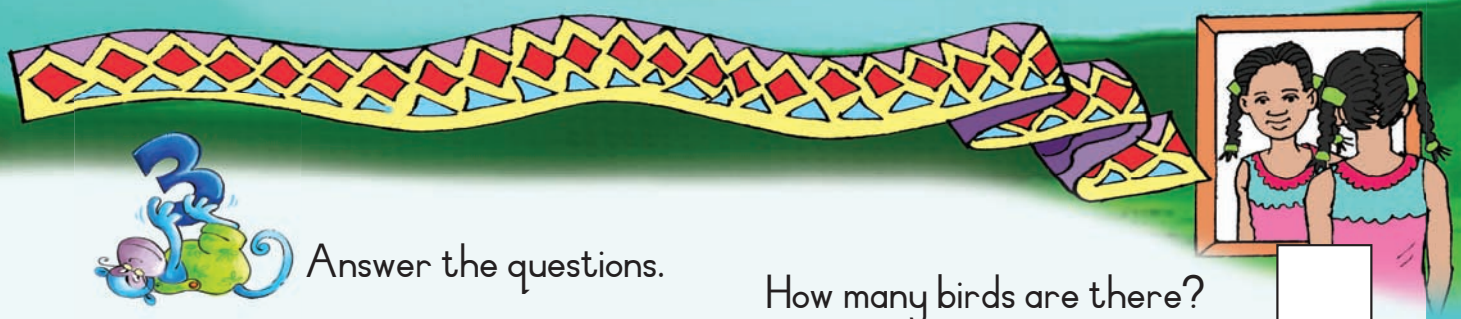






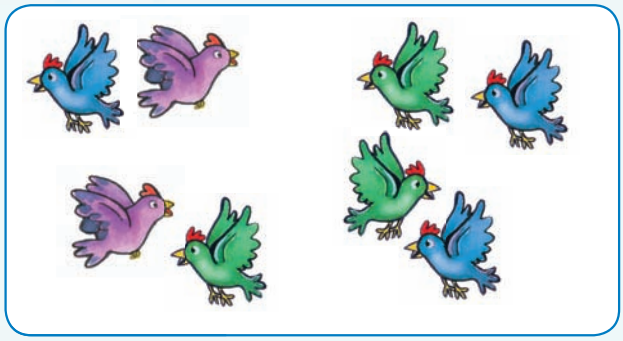
Make groups of two. Draw the groups.





## 3

Answer the questions.



How many birds are there?

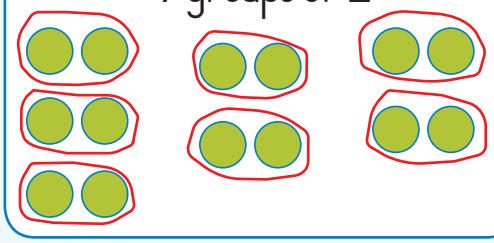
How many groups of two can you make?

Write a number sentence.

## 4

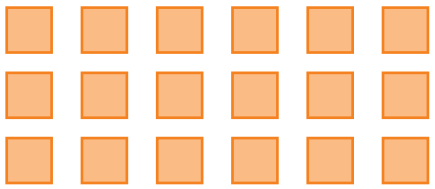
Draw circles to make the following.

7 groups of 2

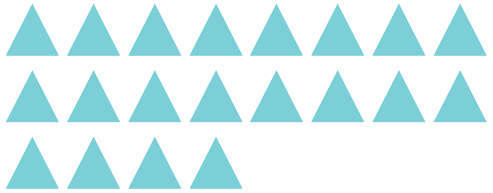


8 groups of 2

9 groups of 2

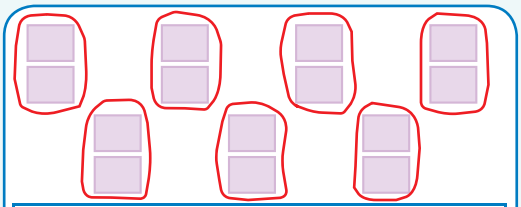


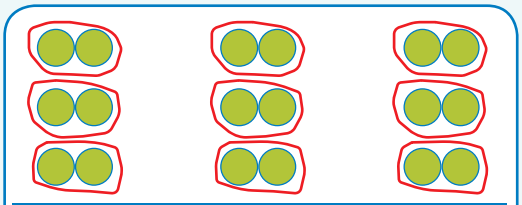
10 groups of 2

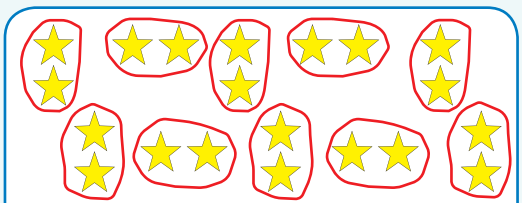


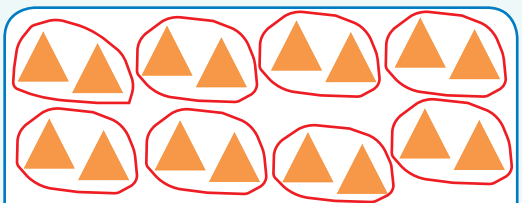
## 5

Write a number sentence for the following.









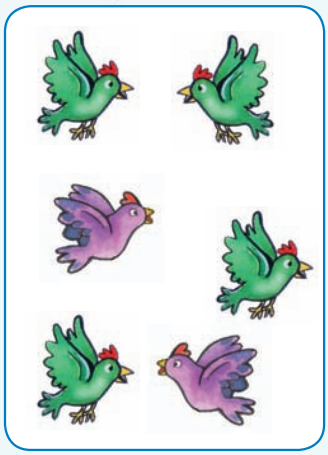
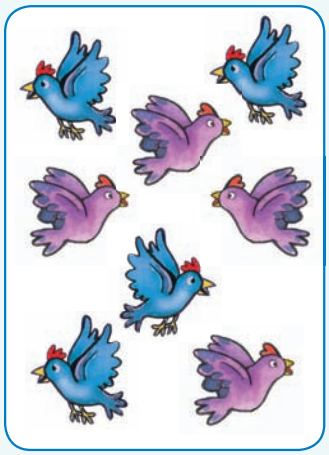
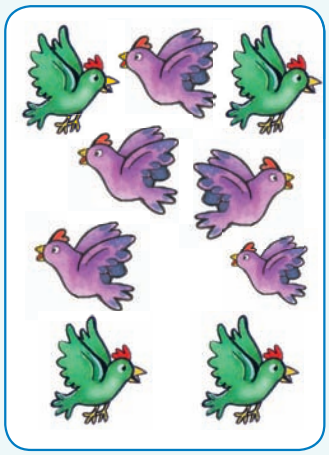
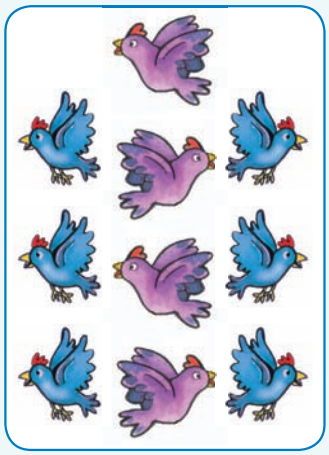
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# Twos – repeated addition up to 20

How many legs are there?
Write a number sentence for each.

Draw shapes for the following:

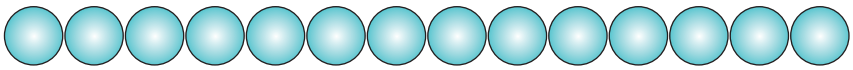
2 + 2 + 2 + 2 + 2 + 2 + 2 = 14

2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = ☐

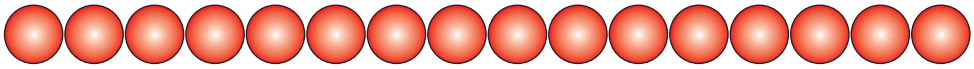
2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = ☐

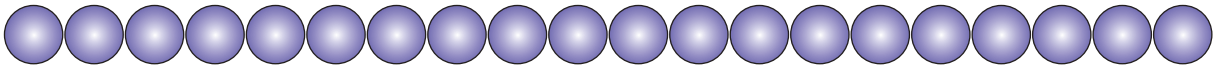
2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = ☐

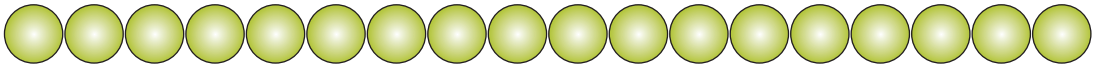
Write a number sentence for the following:



2 + 2 + 2 + 2 + 2 + 2 + 2 =







Colour the multiples of two.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

I have 6 packets with 2 sweets in each. How many sweets do I have? Draw a picture and write a number sentence.

I have ☐ sweets.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

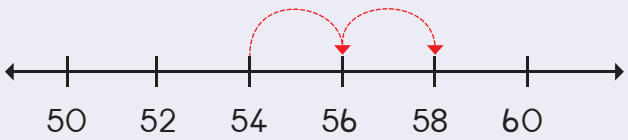
# Number patterns – twos to 100

Complete the pattern by colouring the numbers.

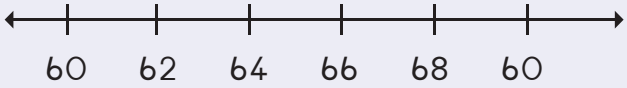
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Draw hoops to show the following:

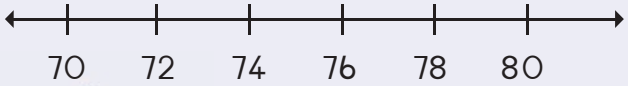
54, 56, 58



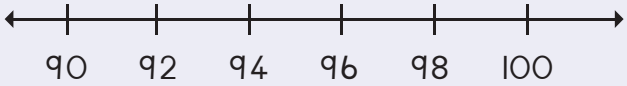

64, 66, 68




74, 76, 78



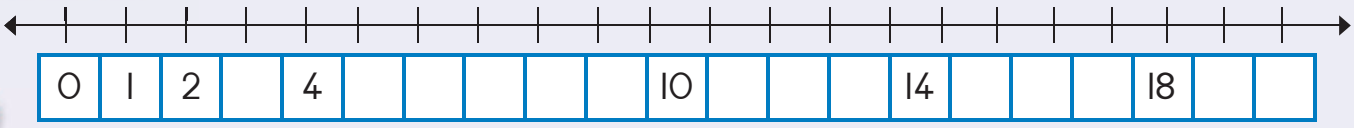

94, 96, 98



Fill in the missing numbers. Colour the pattern: 2, 4...

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 3 | | | | 7 | | | 10 |
| 11 | | | | | | 17 | | | 20 |

Complete the number line.

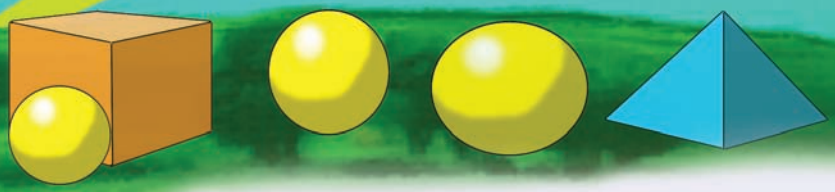


Cut out the numbers from Cut-out 2 and place them on the number lines where the numbers are missing. Also complete the hoops.

| | | | |
|---|---|---|---|
| | | | |
| 69 | 79 | 89 | 99 |
| | | | |
| 67 | 77 | 87 | 97 |
| | | | |
| 65 | 75 | 85 | 95 |
| | | | |
| 63 | 73 | 83 | 93 |
| | | | |
| 61 | 71 | 81 | 91 |
| 60 | 70 | 80 | 90 |

Teacher:
Sign:
Date:

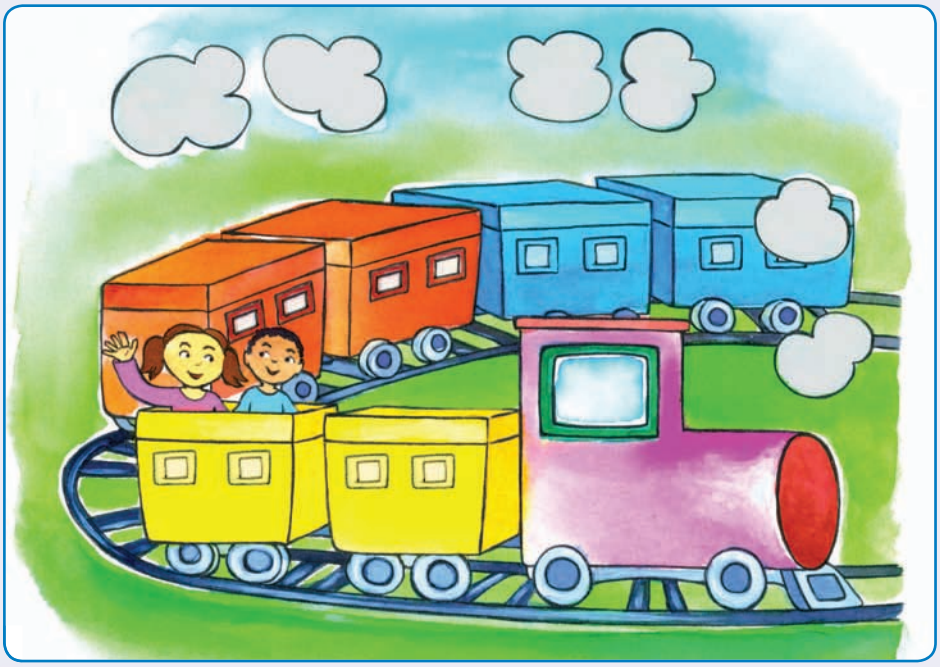
11 12 13 14 15 16 17 18 19 20



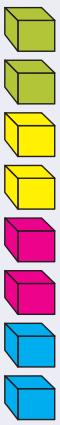
Date:

# Number patterns – twos to 100

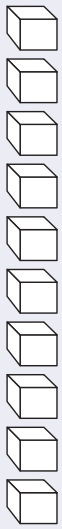
Can you see any patterns of twos?



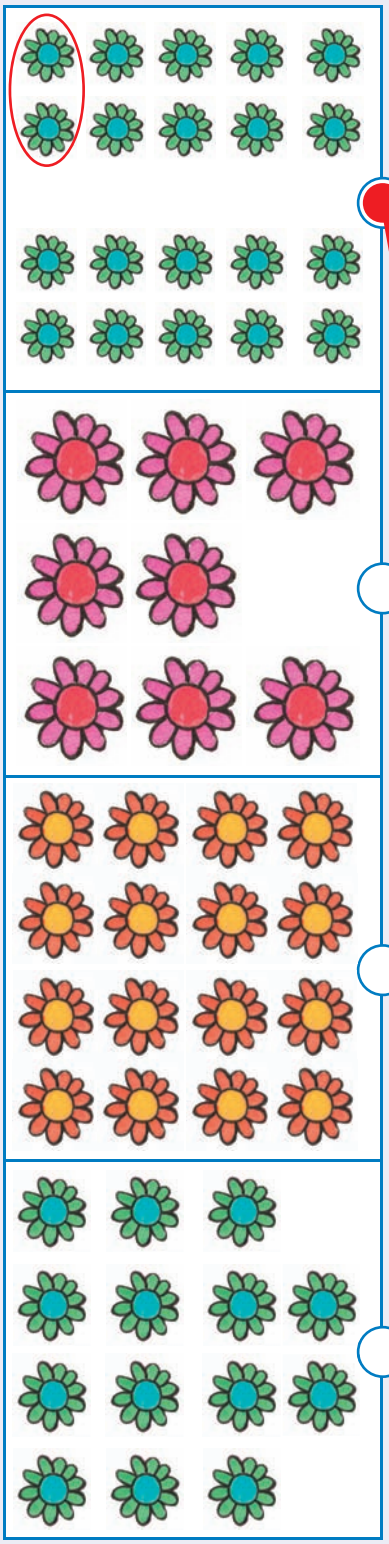
Colour the blocks to show groups of twos.
Count how many groups there are.



4



Match the groups of twos with the number sentence by drawing a line.



2 + 2 + 2 + 2 = 8

2 + 2 + 2 + 2 + 2 + 2 + 2 = 14

2 + 2 +2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20

2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16

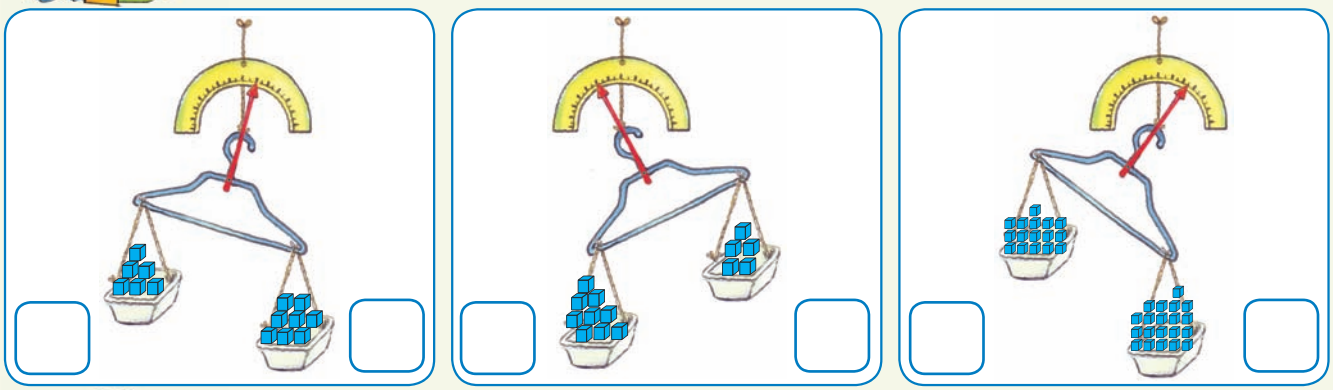
Teacher:
Sign:
Date:

Date:

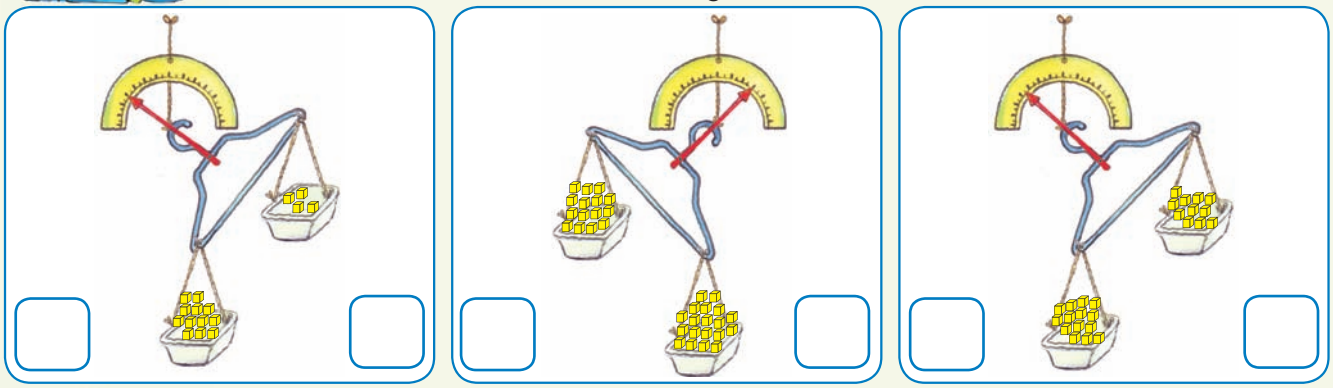
# Mass (weight)



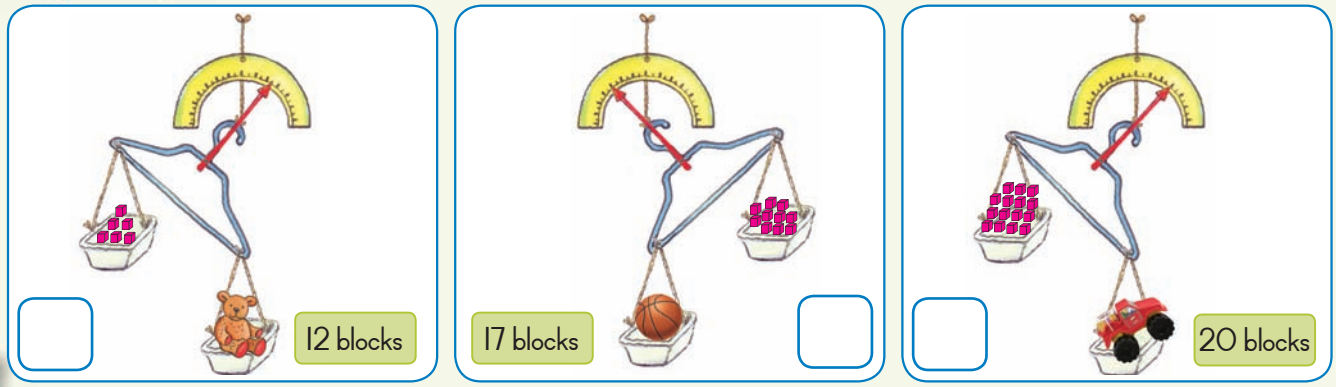
1 Write how many blocks are in each container.
Circle the container that is heavier.



2 Write how many blocks are in each container.
Circle the container that is lighter.



3 Count how many blocks there are. Then work out how many extra blocks are needed to balance the toy. We tell you how many blocks the toy weighs.

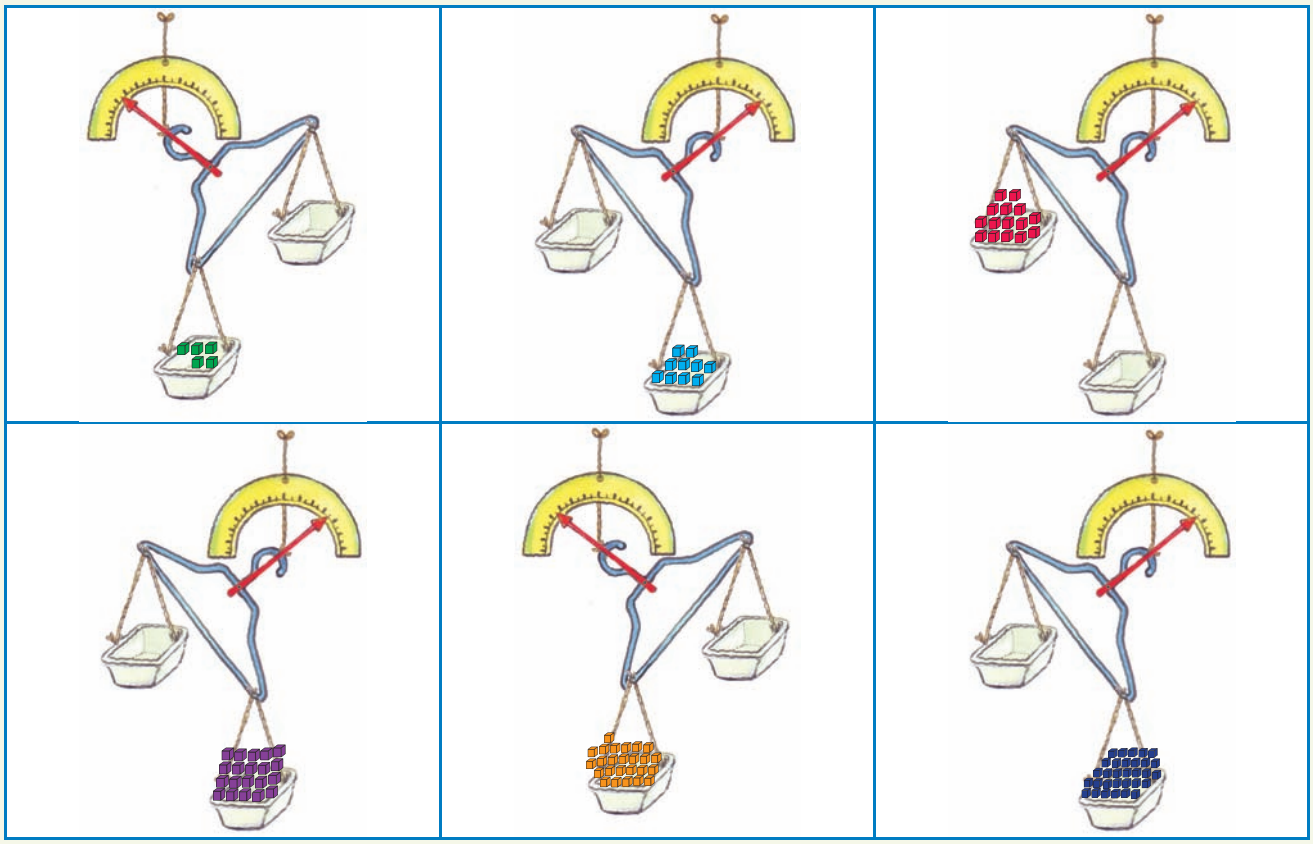





0 1 2 3 4 5 6 7 8 9 10

## 4

Draw an object that is heavier or lighter than the blocks.



## 5

Use 5 objects on your desk. First estimate how much it weighs and then weigh it on a scale or balance to check if your estimation was correct.

| Draw the object | Guess | Mass | Difference |
|---|---|---|---|
| | ___ blocks | ___ blocks | ___ − ___ = ____ |
| | | | |
| | | | |
| | | | |
| | | | |

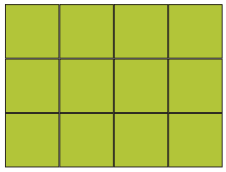
Teacher:
Sign:
Date:

Date:

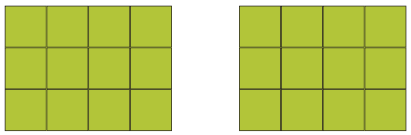
# Doubling

Answer the following:

How many squares are there?

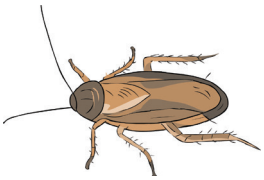


How many are there now?

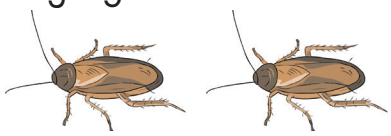


We say double 12 is 24.

How many legs are there?



How many legs are there now?



We say double 6 is

How many skittles are there?

How many skittles are there now?

We say double 10 is

How many days are there in a week?

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | |

How many days are there in two weeks?

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | |

We say double 7 is

How many crayons are there?

How many crayons are there now?

We say double 8 is

Fill in the answer.

| | | |
|---|---|---|
| Double of 4 | = | 8 |
| Double of 10 | = | |
| Double of 11 | = | |
| Double of 2 | = | |
| Double of 6 | = | |

Fill in the answer.

| | |
|---|---|
| Double two is | four |
| Double three is | |
| Double four is | |
| Double five is | |
| Double six is | |
| Double seven is | |

Complete the table.

| | | | | |
|---|---|---|---|---|
| 9 + 9 + 1 = | | or | Double 9 + 1 = | |
| | | or | Double 8 + 1 = | |
| 10 + 10 + 1 = | | or | | |
| 7 + 7 + 1 = | | or | Double 7 + 1 = | |

Teacher:
Sign:
Date:

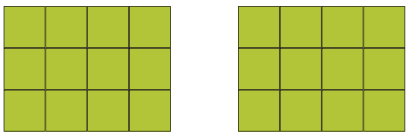
11 12 13 14 15 16 17 18 19 20

Date:

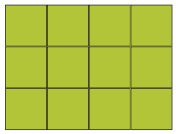
# Halving

Answer the following:

How many squares are there?

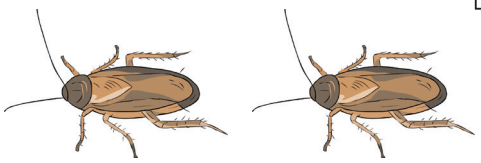


How many are there now?

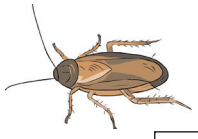


We say half of 24 is 12.

How many legs are there?



How many legs are there now?



We say half of 12 is ☐

How many skittles are there?

How many skittles are there now?

We say half of 20 is ☐

How many days are there in 2 weeks?

| S | M | T | W | T | F | S | S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

How many days are there in one week?

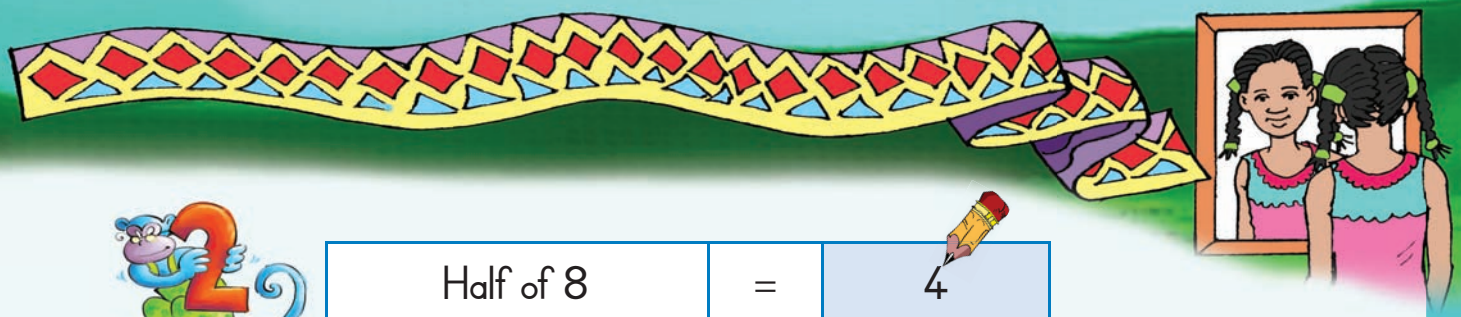
| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | |

We say half of 14 is ☐

How many crayons are there?

How many crayons are there now?

We say half of 16 is ☐



Fill in the answer.

| | | |
|---|---|---|
| Half of 8 | = | 4 |
| Half of 10 | = | |
| Half of 6 | = | |
| Half of 12 | = | |
| Half of 14 | = | |

Fill in the answer.

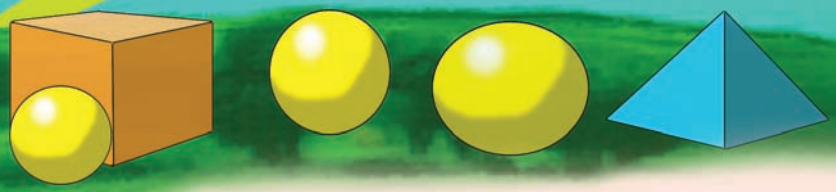
| | |
|---|---|
| Half of four is | two |
| Half of six is | |
| Half of two is | |
| Half of eight is | |
| Half of ten is | |

Fill in the answer.

| | |
|---|---|
| Half of 10 is | 5 |
| Half of 12 is | |
| Half of 14 is | |
| Half of 16 is | |
| Half of 18 is | |

Teacher:
Sign:
Date:

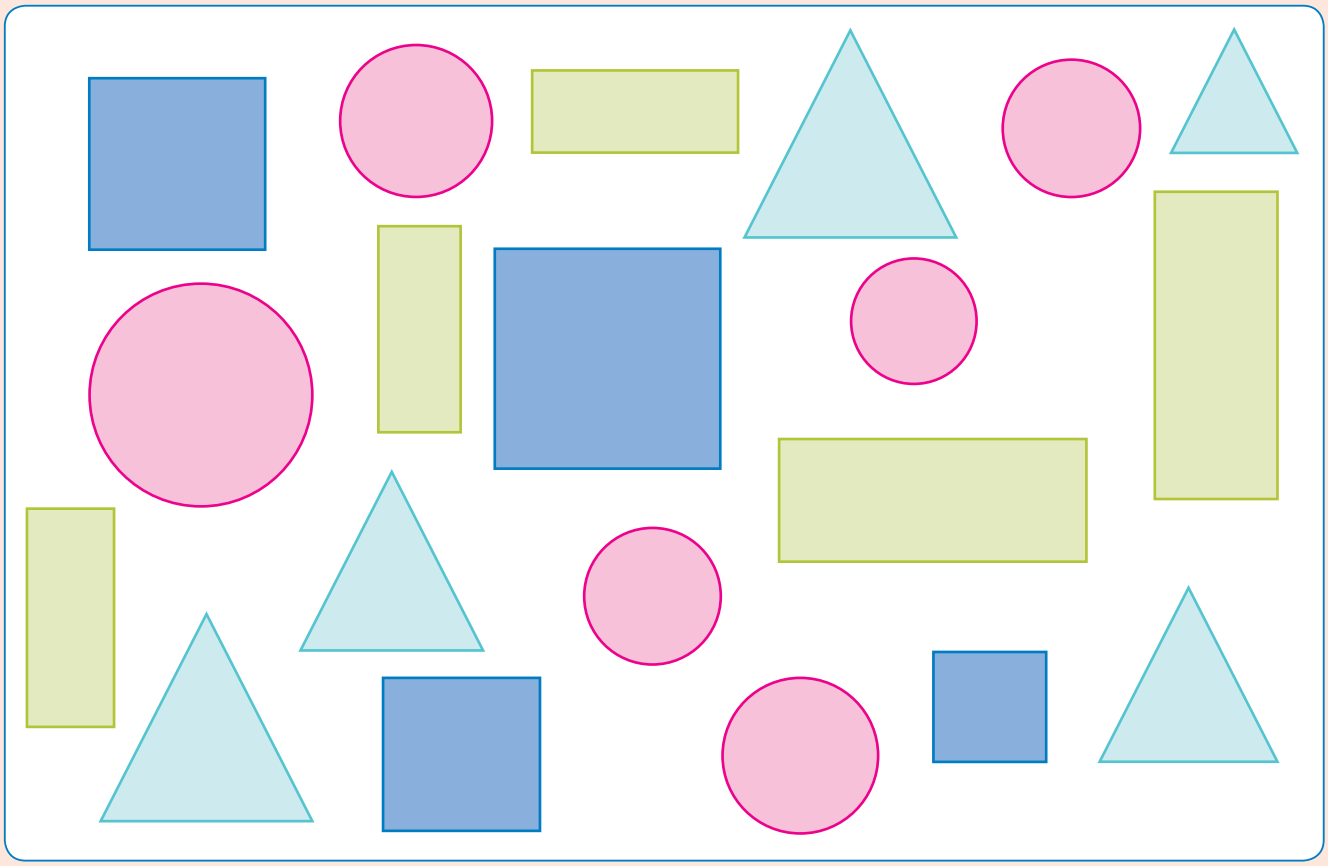
11 12 13 14 15 16 17 18 19 20



Date:

# Data

Count how many different shapes there are, and then answer the questions.



1. How many squares are there?

2. How many triangles are there?

3. How many rectangles are there?

4. How many circles are there?

These fruit were chosen by 20 of your friends. Sort the fruit and make a drawing on the pictograph of the fruit that you sorted and then answer the questions below.

Our favourite fruit?

Key = ◯

| | | | | |
|---|---|---|---|---|
| | | | | |
| Strawberry | Apple | Pear | Banana | Orange |

| | |
|---|---|
| How many children like strawberries? | |
| How many children like apples? | |
| How many children like pears? | |
| How many children like bananas? | |
| How many children like oranges? | |
| Which fruit do the children like the most? | |
| Which fruit do the children like the least? | |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Date:

# More data

Children in a class have the following toys.
How many of each kind do they have?

Complete the table.

| Toy | Number |
|---|---|
| Dolls | |
| Trucks | |
| Teddies | |
| Robots | |

Complete the pictograph by drawing the right number of pictures of the stick person for each kind of toy.

Key =

The toys we have

| | | | |
|---|---|---|---|
| | | | |
| Dolls | Trucks | Teddy bears | Robots |

Answer the questions. Look at the pictograph to help you.

| | |
|---|---|
| How many children have a doll? | |
| How many children have a truck? | |
| How many children have a teddy bear? | |
| How many children have a robot? | |
| Which toy is the most popular? | |
| Which toy is the least popular? | |

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

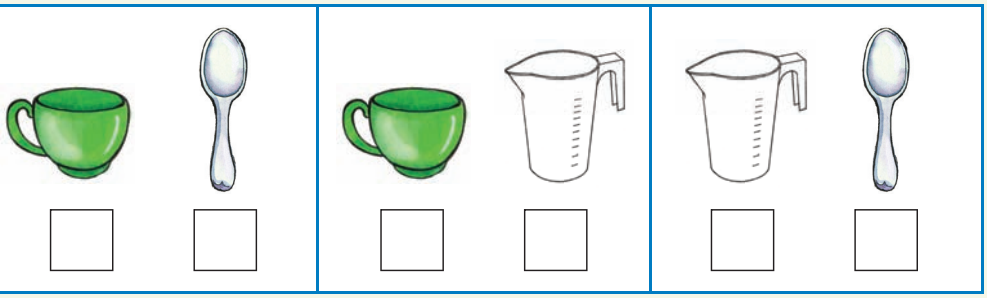
Date:

# Capacity

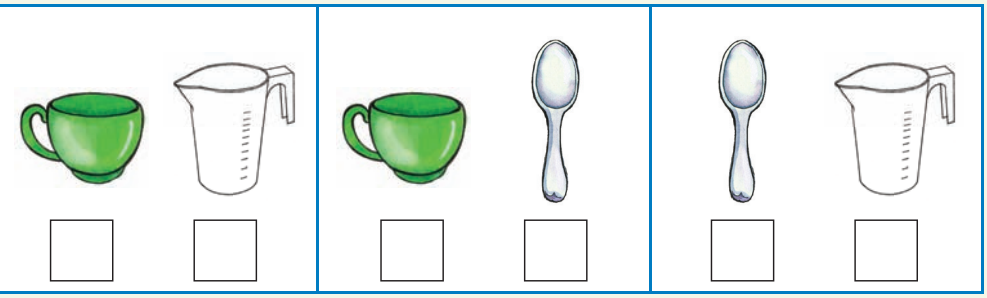


How do we measure liquids? Draw a line to match the item with the correct measuring tool.

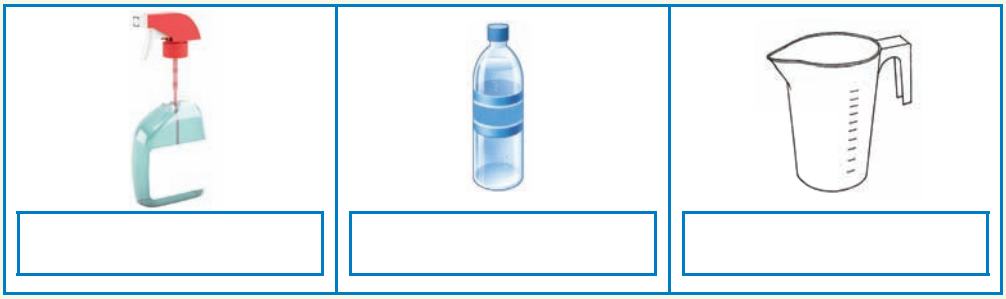
Tick the container that will hold the least.



Tick the container that will hold the most.

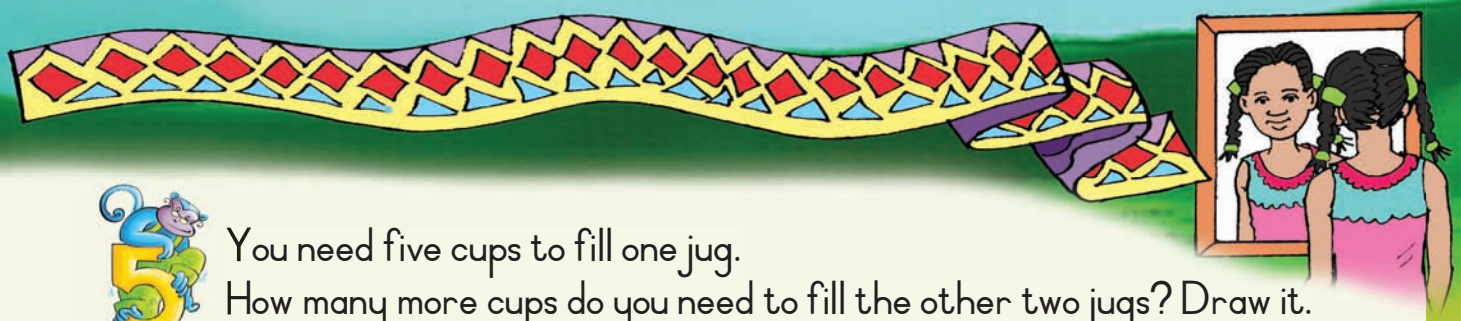


Are the containers full or empty?

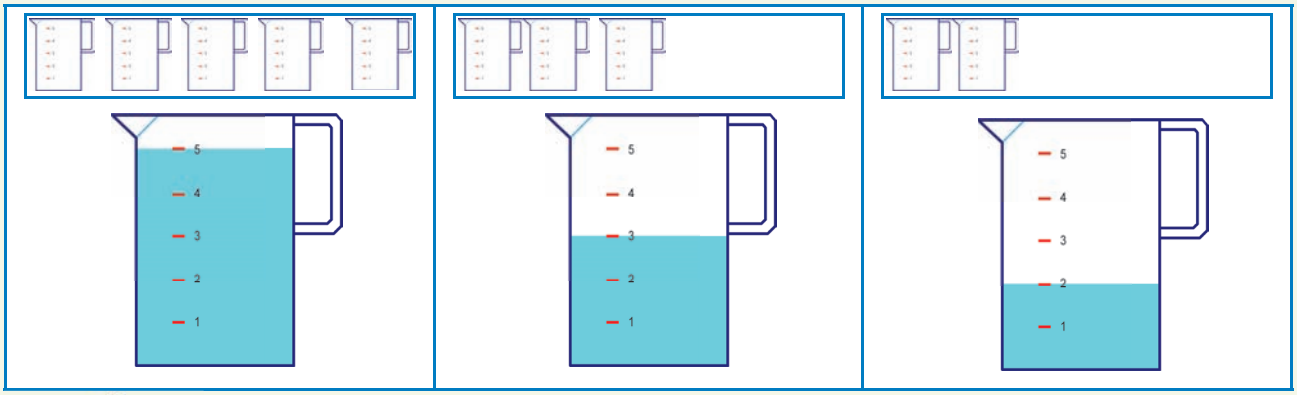




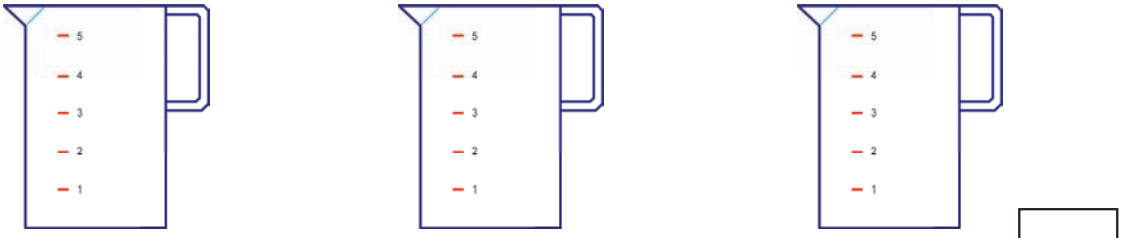
0 1 2 3 4 5 6 7 8 9 10



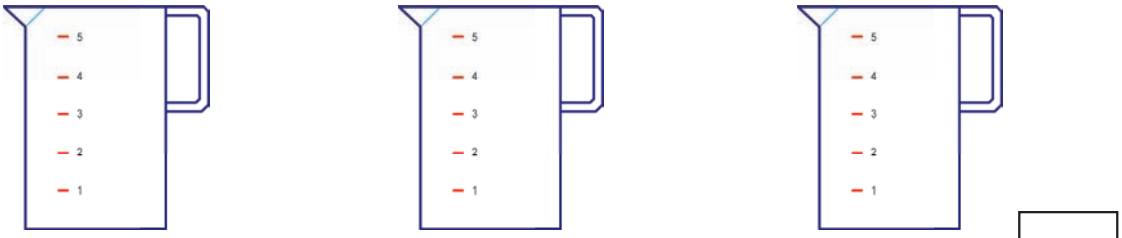
You need five cups to fill one jug.
How many more cups do you need to fill the other two jugs? Draw it.



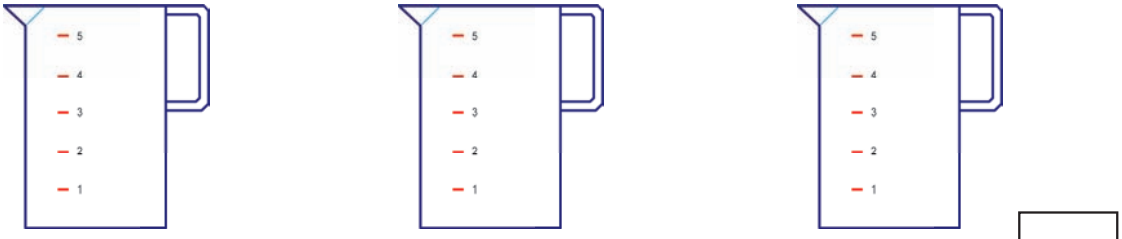
Colour in the right amount of liquid.



1 + 2 =



2 + 2 =



2 + 3 =

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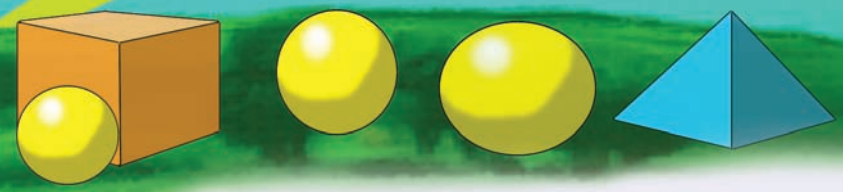
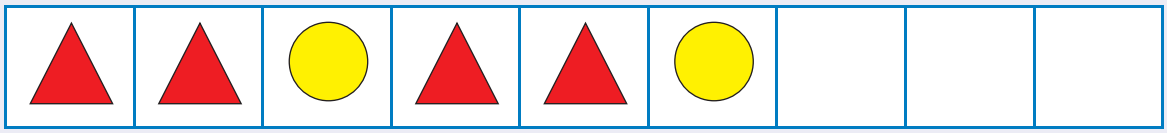
Date:

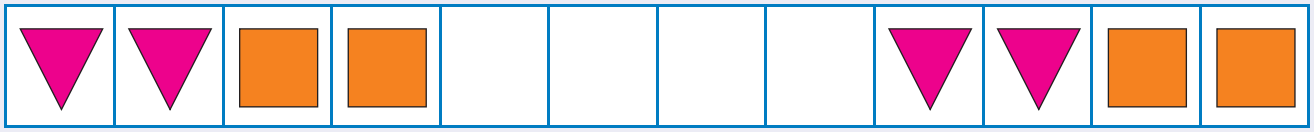


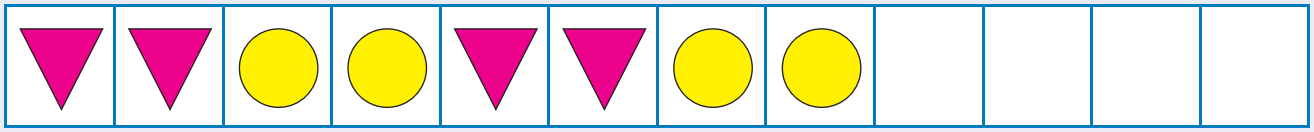
Date:

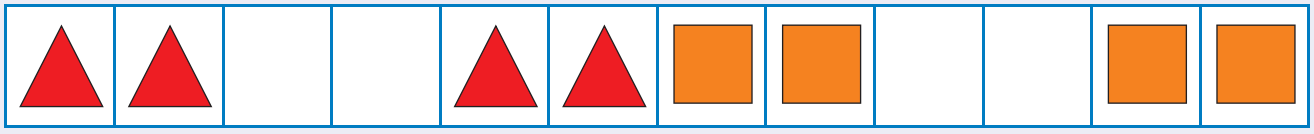
# Geometric patterns

Complete the patterns.







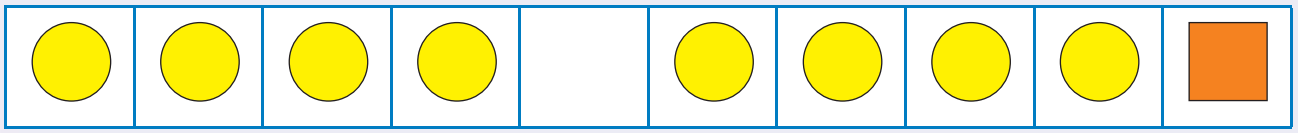


| A | B | C | D | A | B | C | D | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|

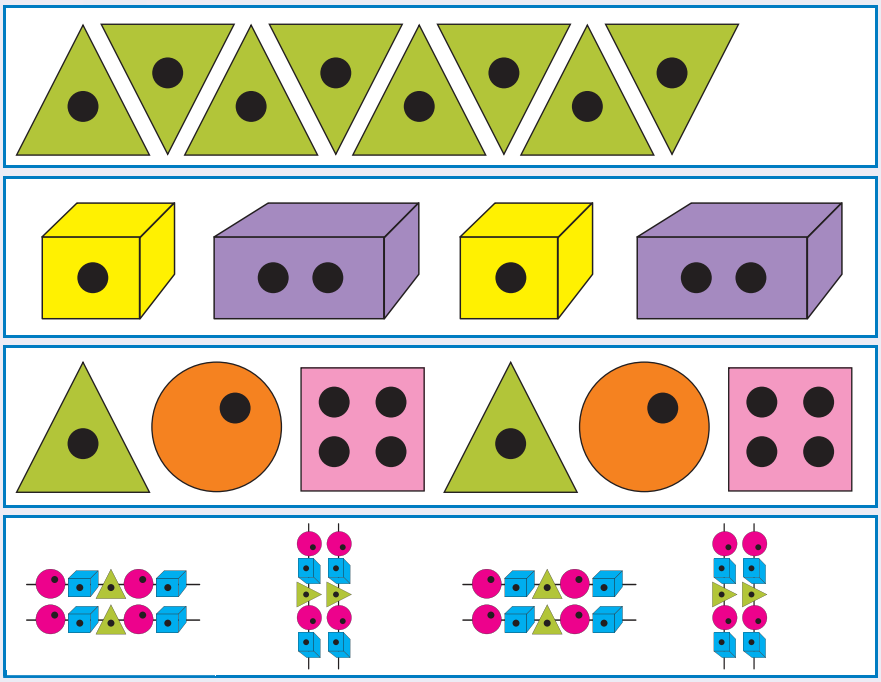
| A | B | B | A | B | B | | B | B | A | | |
|---|---|---|---|---|---|---|---|---|---|---|---|

| A | B | C | A | B | C | | | | A | B | C |
|---|---|---|---|---|---|---|---|---|---|---|---|

| A | D | A | D | A | D | | | A | D | | |
|---|---|---|---|---|---|---|---|---|---|---|---|



Extend the pattern.



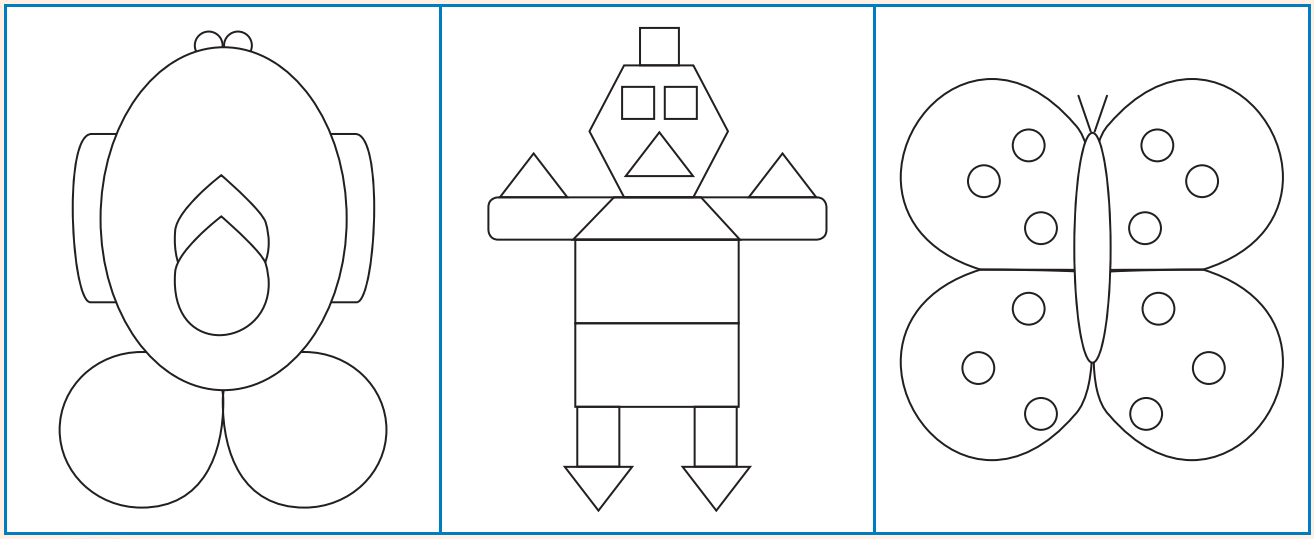
Create your own patterns using circles, squares and triangles.

Teacher:
Sign:
Date:

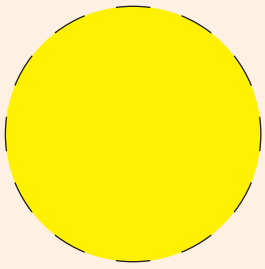
Date:

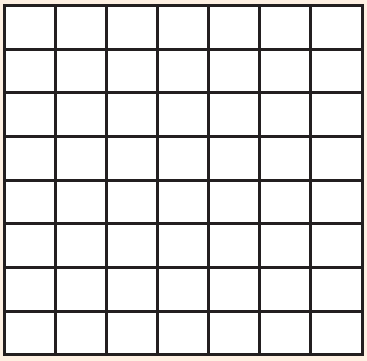
# Symmetry

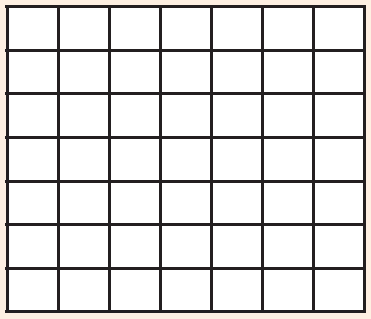
Draw a line of symmetry that divides the picture into two equal halves. Colour one half of each picture.

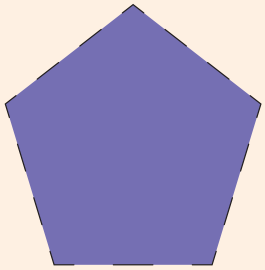


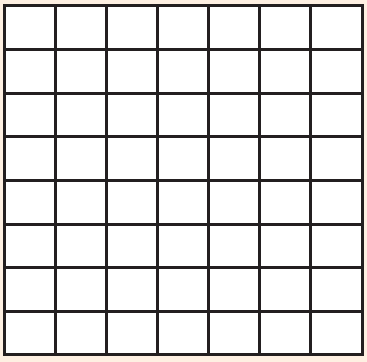
Copy the shapes, then draw a line of symmetry.



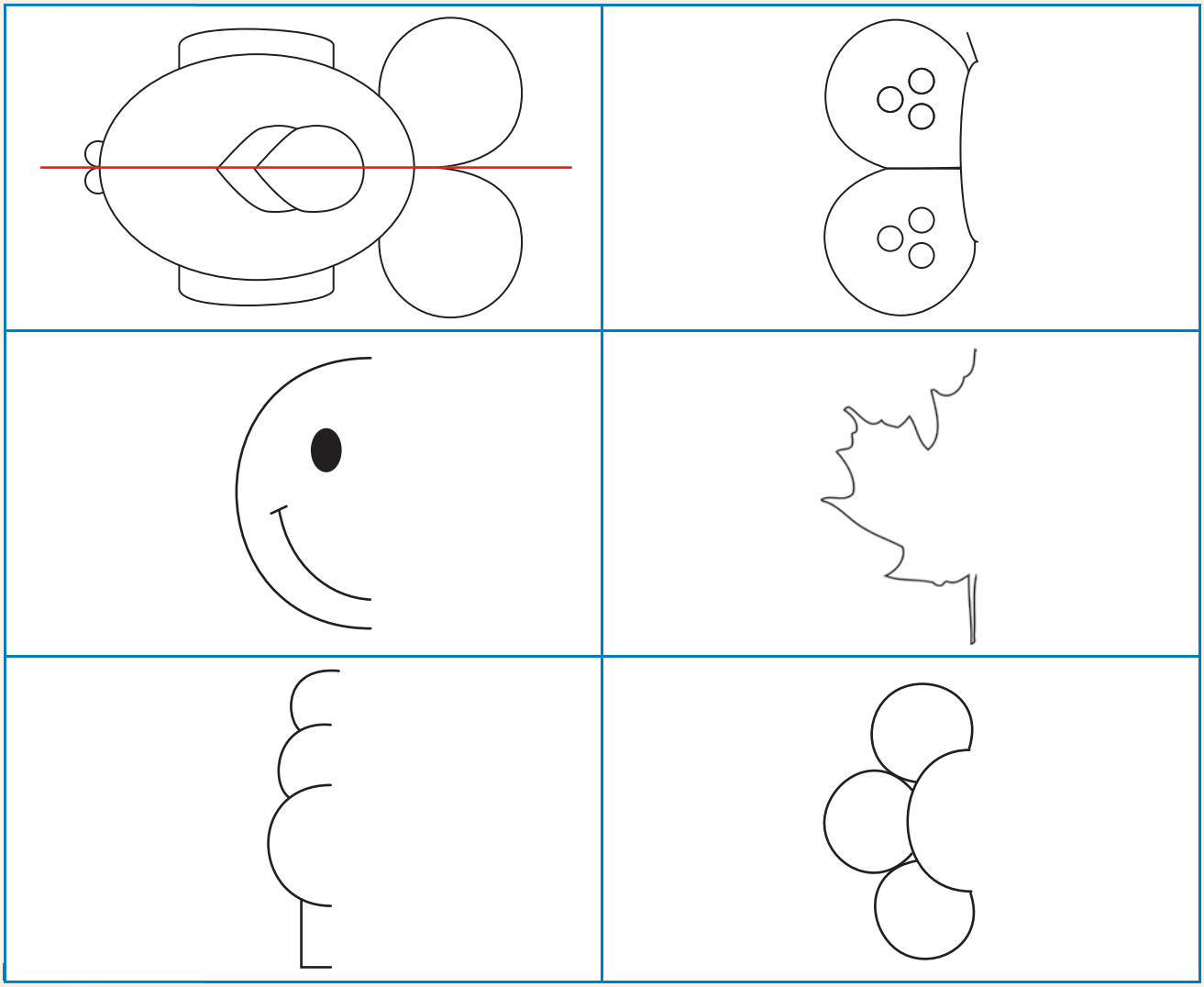




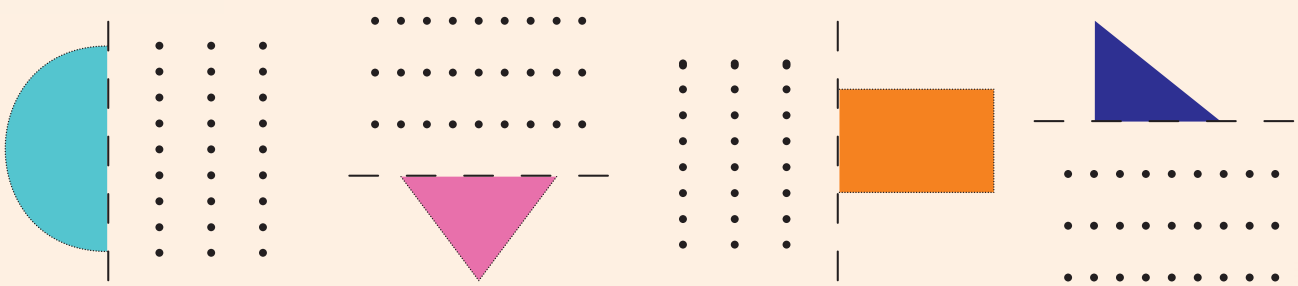




Complete the picture by drawing the exact other half.



Draw the other half of the shape.



Teacher:
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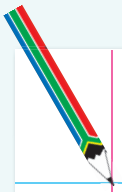
Date:

11 12 13 14 15 16 17 18 19 20

# Notes

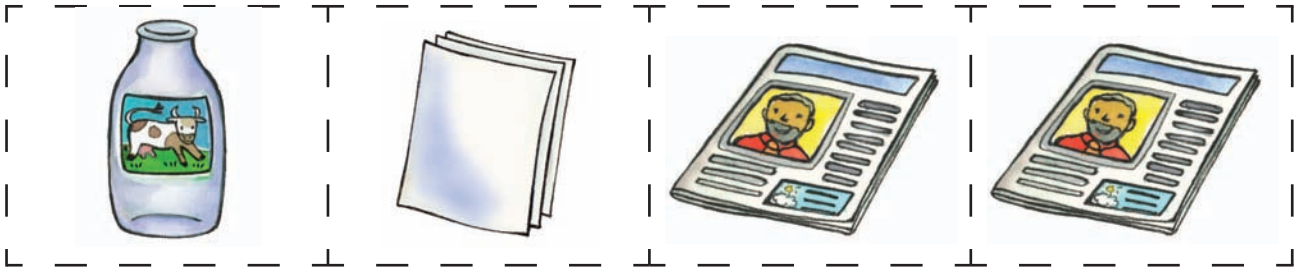
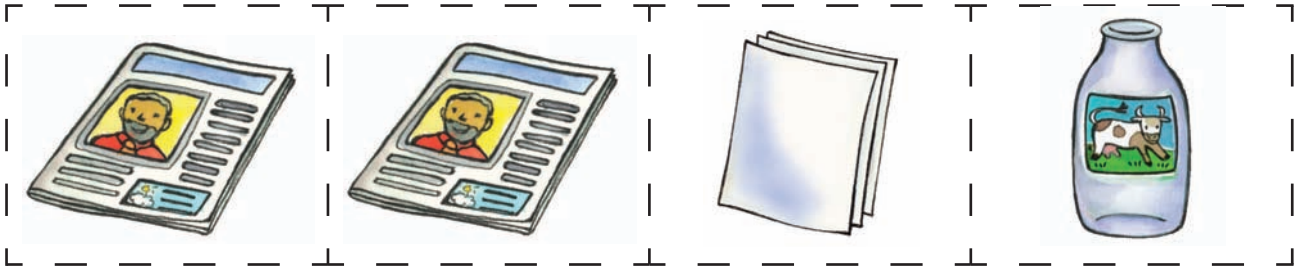
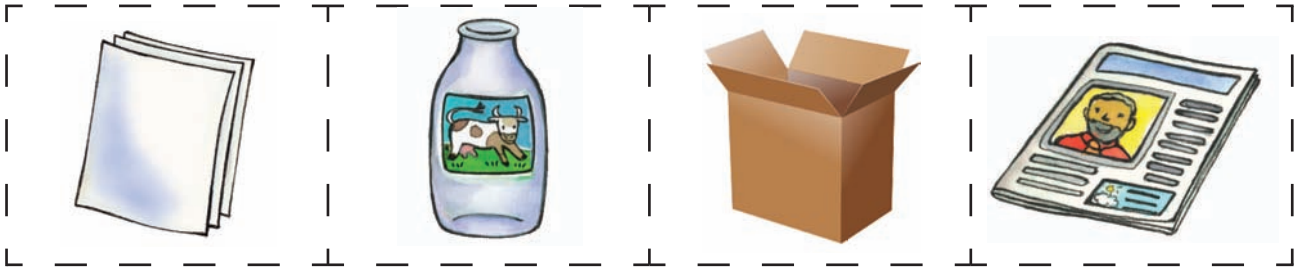
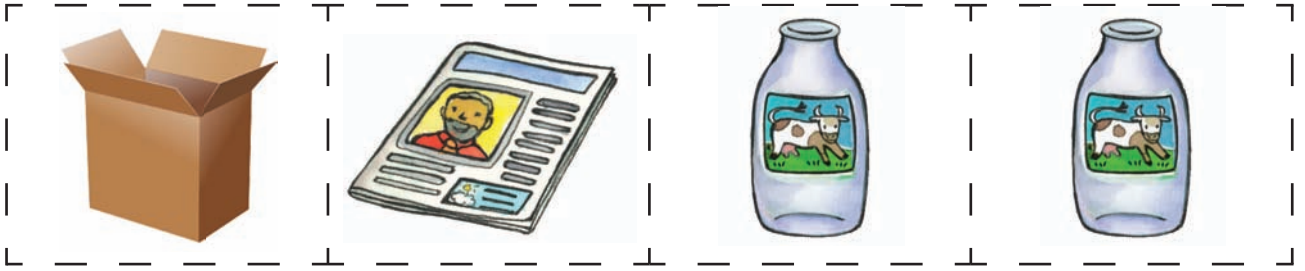
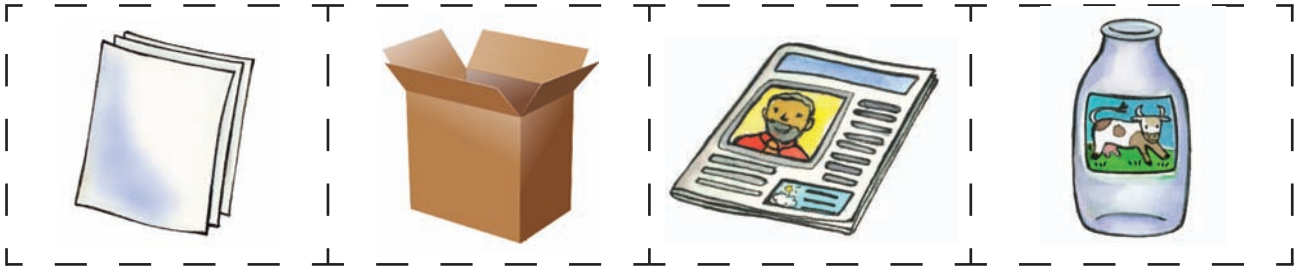
# Notes



# Notes

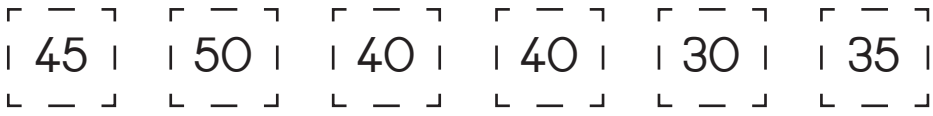
## Cut-out 1

Worksheet 79

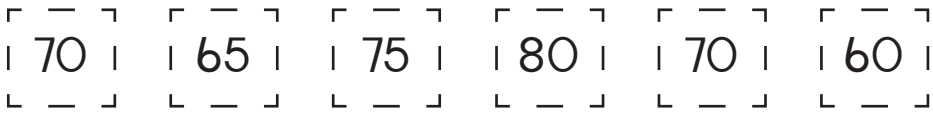






**Cut out cards 2**

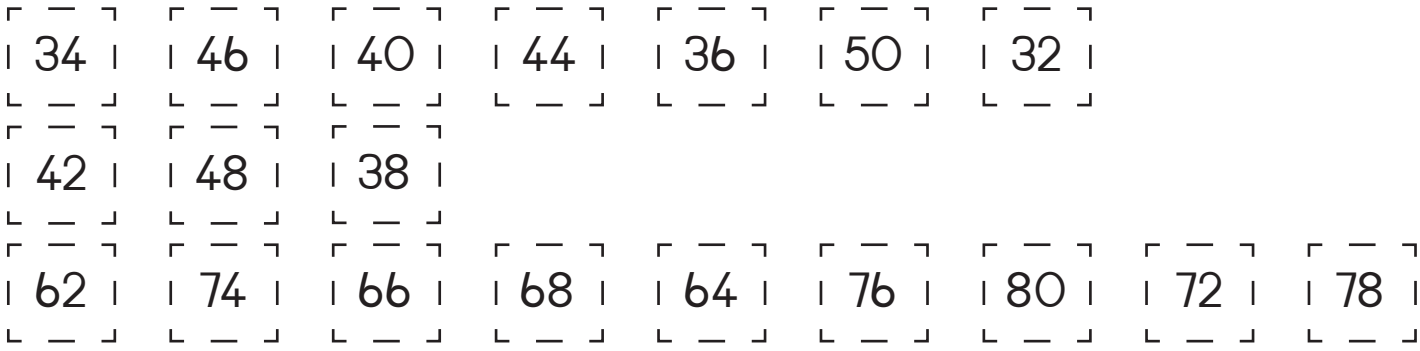
Worksheet 83



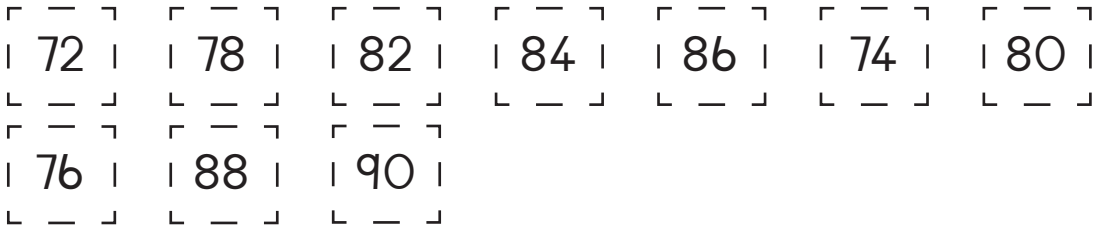

Worksheet 84

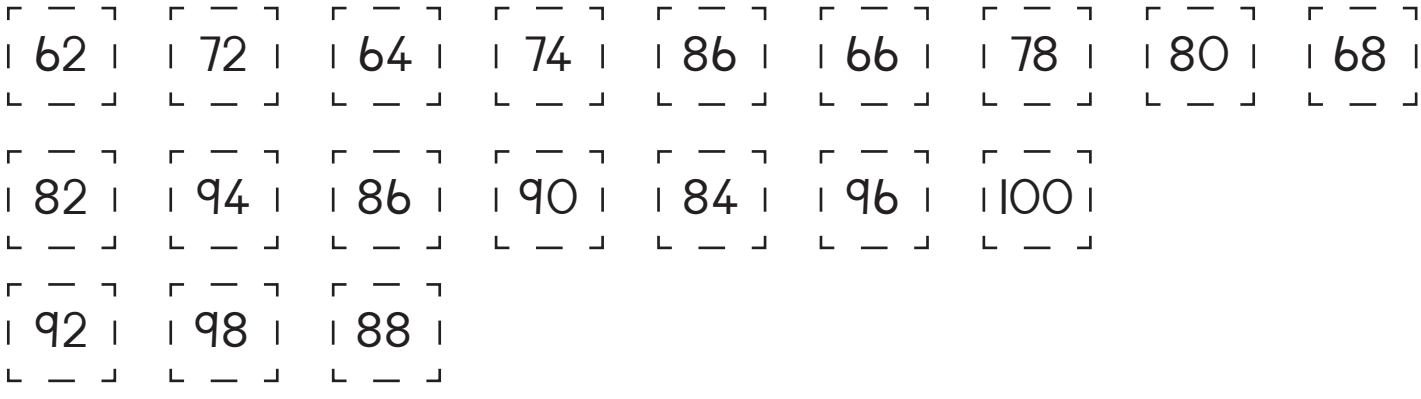



Worksheet 93




Worksheet 115




Worksheet 119