basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

ANNUAL NATIONAL ASSESSMENT 2014
GRADE 4 MATHEMATICS
TEST

MARKS: 50

TIME: 90 Minutes

PROVINCE_____

DISTRICT_____

SCHOOL NAME_____

EMIS NUMBER (9 digits)

CLASS (e.g. 4A) _____

SURNAME _____

NAME_____

GENDER (✓)

BOY	

GIRL	

DATE OF BIRTH

C	C	Y	Y	M	M	D	D

This test consists of 11 pages, excluding the cover page.

Practice question

Circle the letter of the correct answer.

8 x 6 = _____

A   48

B   84

C   72

D   60

You have answered correctly if you have circled (A) above.

The test starts on the next page.

Grade 4 Mathematics Test

1. Circle the letter of the correct answer.

1.1   What is the value of the underlined digit in <u>5</u> 690?

     A   50
     B   500
     C   5
     D   5 000   (1)

1.2   The number 6 745 rounded off to the nearest 10 is ...

     A   6 740
     B   6 750
     C   6 800
     D   6 700   (1)

1.3   Which number is a multiple of 3?

     A   23
     B   33
     C   34
     D   44   (1)

1.4   Which number is not a factor of 15?

     A   2
     B   3
     C   5
     D   15   (1)

1.5   Which number is missing in the following number pattern?

     475; 450; 425; _____; 375.

     A   415
     B   410
     C   405
     D   400   (1)

Grade 4 Mathematics Test

1.6 Faiza ate $\frac{1}{6}$ of a chocolate and Shireen ate $\frac{4}{6}$. What fraction of the chocolate was not eaten?

A $\dfrac{5}{6}$

B $\dfrac{5}{12}$

C $\dfrac{1}{6}$

D $\dfrac{1}{12}$ (1)

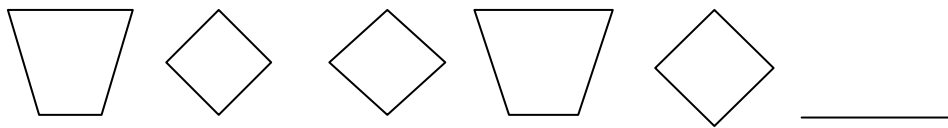2. Complete:

(32 + 25) + 16 = 32 + (25 + ___) (1)

3. Complete each of the following patterns.

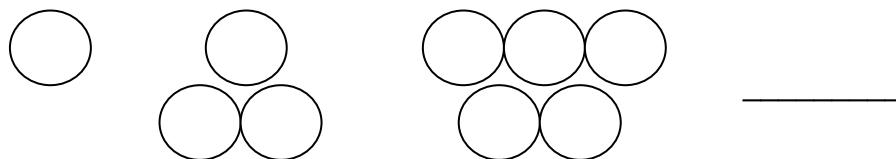3.1 8 000; 4 000; 2 000; _____; 500. (1)

3.2 _____ (1)

4. How many circles will be there in the next diagram if the pattern is continued?

 _____

(1)

3

5.   Fill in < ; > or = to make a correct number statement.

    1 582 _____ 1 852   (1)

6.   6.1   Tick the values of the notes and coins needed to buy a toy for
          R26,70.

R20,00	R10,00	R5,00	R2,00	R1,00	50c	20c	10c

                                                                             (1)

    6.2   A R50,00 note was used to buy the toy. How much change should
          be given?
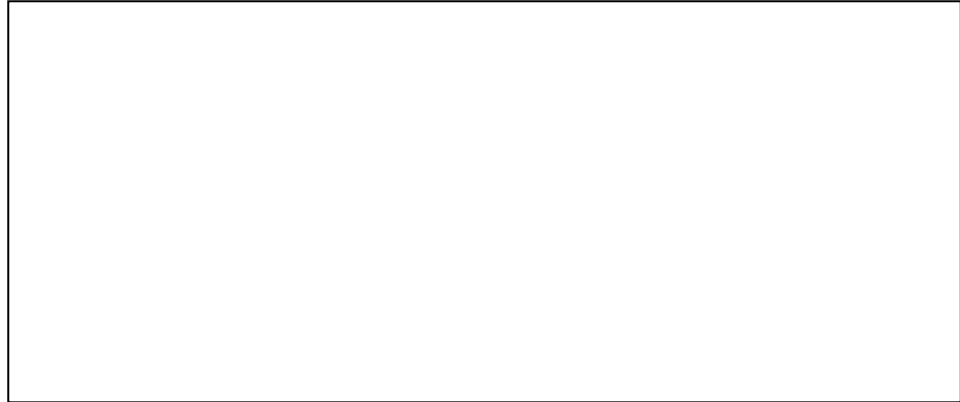
                                                                             (1)

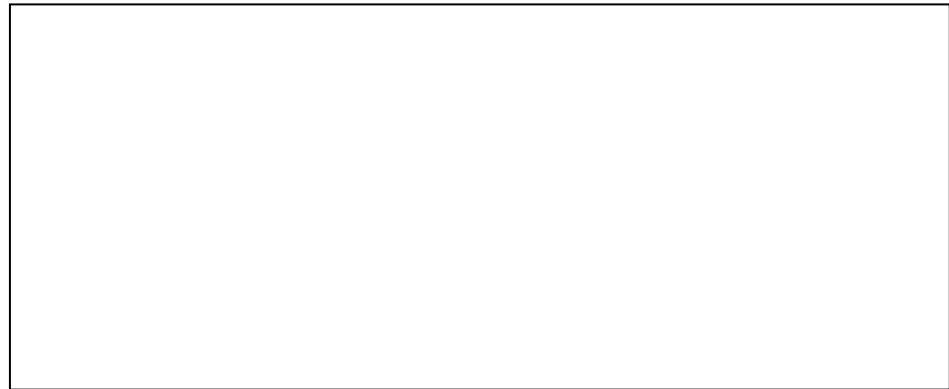7.   Calculate the answers for Questions 7.1 – 7.4.

    7.1   3 457 + 2 789

                                                                             (2)

7.2   7 894 – 3 785

(3)

7.3   76 x 35

(3)

7.4   852 ÷ 6
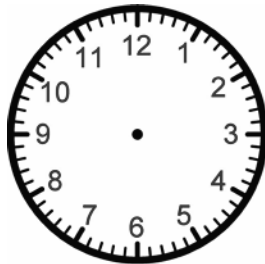
(3)

8.   Write a number sentence, for the word sentence below.

Twelve divided by three is equal to eight divided by two.

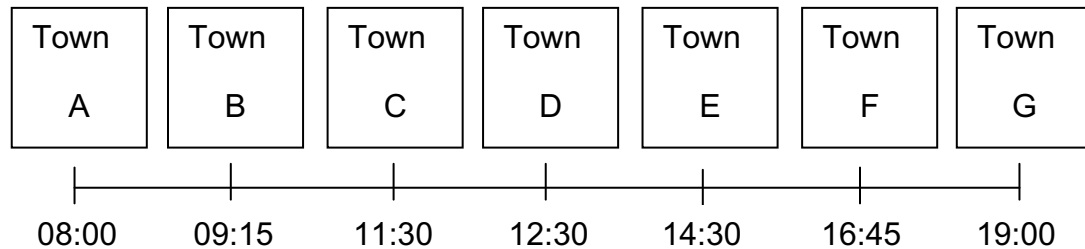_____   (1)

9.   Draw the hands on the given clock face to show that the time is twenty minutes to ten.

                                                                        (1)

10.   A bus travels from Town A to Town G. The diagram below shows the times that the bus arrives in each town along its route. Use the time line to answer the questions below.

Town	Town	Town	Town	Town	Town	Town
A	B	C	D	E	F	G

08:00   09:15   11:30   12:30   14:30   16:45   19:00

10.1   Between which towns could you be travelling if the time taken to travel between the two towns equals one hour?

                                                                        (1)

10.2   Peggy gets onto the bus in Town D. How long will it take her to reach Town G?

                                                                        (1)

11. Which view of the bus is shown below?

_____ (1)

12. Circle the capital letter below that is symmetrical.

C   F   A

(1)

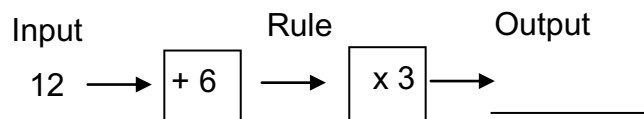13. Lizzy wants to buy material for a curtain that is 150 *cm* long. How many metres must she buy?

(1)

_____

14. Complete:

$1\frac{1}{2}$ days = _____ hours

(1)

15. Complete the following flow diagram.

Input   Rule   Output

12 $\longrightarrow$ + 6 $\longrightarrow$ x 3 $\longrightarrow$ _____

(1)

Grade 4 Mathematics Test

16. Merle's mum bought 5 bottles of Cola, shown below, for her party.

COLA

1,5 ℓ

16.1 How many litres of Cola did she buy?

(1)

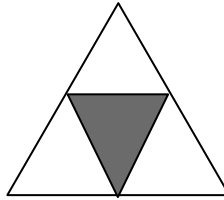16.2 Five litres of Cola was drunk at the party. How much Cola was left?

(1)

17. Look at the diagrams and then answer Questions 17.1 and 17.2.

   17.1   Is the shaded fraction in diagram A equal to the shaded fraction in
          diagram B? _____
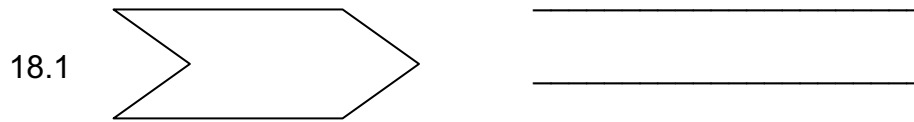
   Diagram A

   Diagram B

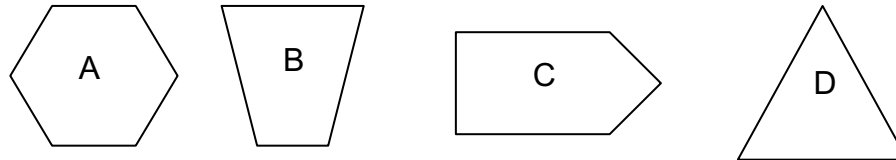   (1)

   17.2   What fraction of Diagram A is not shaded?
          _____   (1)

18. What kind of shape is the given 2-D shape? State whether it is a regular or
    irregular shape.

   18.1   _____

                                 _____   (2)

   18.2   Look at the following 2-D shapes and then complete the sentences
          that follow.

          A   B   C   D
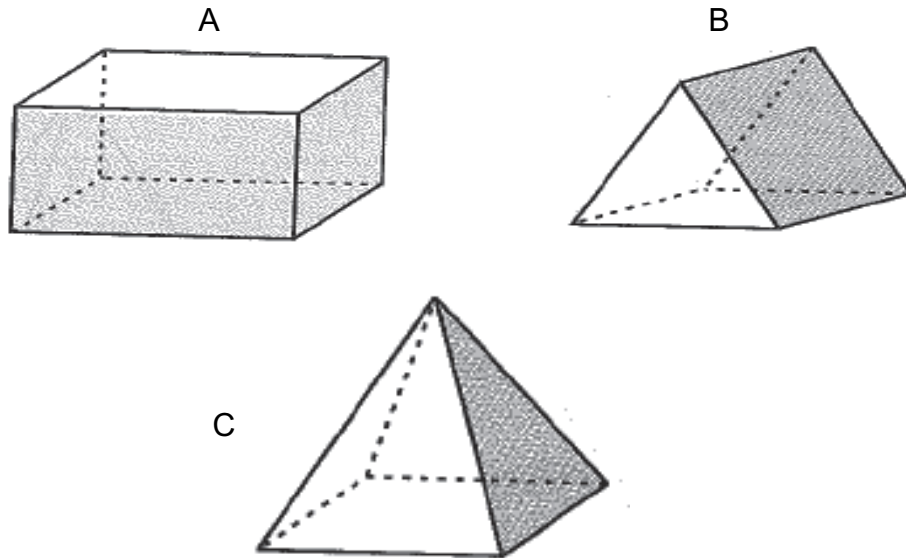
          The shape marked _____ is a pentagon.

          The shape marked _____ is a trapezium.   (2)

19.	Answer Questions 19.1 and 19.2.

19.1	Look at the 3–D objects and circle the rectangular prism.

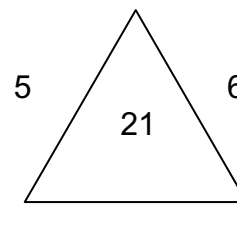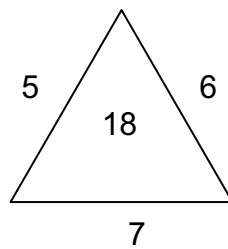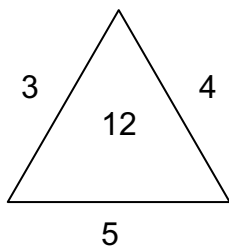A   B
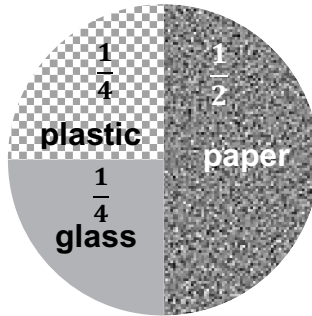
C

(1)

19.2	The 3-D object marked C has _____ faces.	(1)

20.	Fill in the missing number on the third diagram.

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   /\              /\              /\
  /3 \4           /5 \6           /5 \6
 / 12 \          / 18 \          / 21 \
/_____\        /_____\        /_____\
   5               7              ____
```

(2)

21. Look at the pie chart showing the different types of recycling material collected by Grade 4 learners and answer the questions that follow.

Recycling items collected by Grade 4 learners.

21.1 What type of item was collected the most?

_____ (1)

21.2 What types of items had equal amounts collected?

_____ (1)

21.3 What fraction of the pie chart do the glass and the plastic items represent altogether?

_____ (1)

21.4 The total number of items collected was 60. Use the information on the pie chart to complete the tally table.

Recycling material	Tally marks	Frequency
Paper	⁤⁤⁤⁤HHHH HHHH HHHH HHHH HHHH HHHH	30
Glass		15
Plastic	HHHH HHHH HHHH	

(2)

Total: 50

Grade 4 Mathematics Test