



basic education

Department:
Basic Education
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GRADE 1

MATHEMATICS EXEMPLAR QUESTIONS

This booklet consists of 15 pages except the cover page.

GUIDELINES FOR THE USE OF ANA EXEMPLAR QUESTIONS

1. How to use the exemplar questions

While the exemplar questions for a grade and a subject have been compiled into one comprehensive set, **the learner does not have to respond to the whole set in one sitting. The teacher should select exemplar questions that are relevant to the planned lesson at any given time.** Carefully selected individual exemplar questions, or a manageable group of questions, can be used at different stages of the teaching and learning process as follows:

- 1.1 At the beginning of a lesson as a diagnostic test to identify learner strengths and weaknesses. The **diagnosis** must lead to prompt **feedback** to learners and the development of **appropriate lessons** that address the identified weaknesses and consolidate the strengths. The diagnostic test could be given as homework to save instructional time in class.
- 1.2 During the lesson as short formative tests to assess whether learners are developing the intended knowledge and skills as the lesson progresses and ensure that no learner is left behind.
- 1.3 At the completion of a lesson or series of lessons as a summative test to assess if the learners have gained adequate understanding and can apply the knowledge and skills acquired in the completed lesson(s). Feedback to learners must be given promptly while the teacher decides on whether there are areas of the lesson(s) that need to be revisited to consolidate particular knowledge and skills.
- 1.4 At all stages to expose learners to different techniques of assessing or questioning, e.g. how to answer multiple-choice (MC) questions, open-ended (OE) or free-response (FR) questions, short-answer questions, etc.

While diagnostic and formative tests may be shorter in terms of the number of questions included, the summative test will include relatively more questions, depending on the work that has been covered at a particular point in time. It is important to ensure that learners eventually get sufficient practice in responding to the exemplar questions.

2. Memoranda or marking guidelines

A typical example of the expected responses (marking guidelines) has been given for each exemplar question and for the ANA model test. Teachers must bear in mind that the marking guidelines can in no way be exhaustive. They can only provide broad principles of expected responses and teachers must interrogate and reward acceptable options and variations of the acceptable response(s) given by learners.

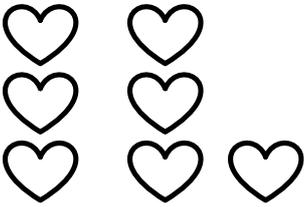
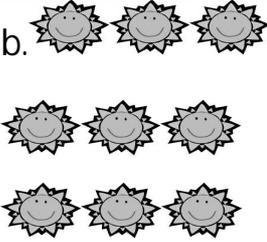
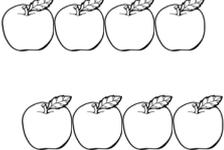
3. Curriculum coverage

It is extremely critical that the curriculum must be covered in full in every class. The exemplar questions for each grade and subject do not represent the entire curriculum. They merely **sample** important knowledge and skills and covers work relating to terms 1, 2 and 3 of the school year.

1. Draw a cross (x) on the 3-D object that can roll.



2. Complete:

Pictures	Number symbol	Number name
a. 	_____	Seven
b. 	9	_____
c. 	_____	_____

3. Fill in the missing numbers.

a.	2	4			10		14
b.	5		15		25		35
c.	14	15		17	18		20

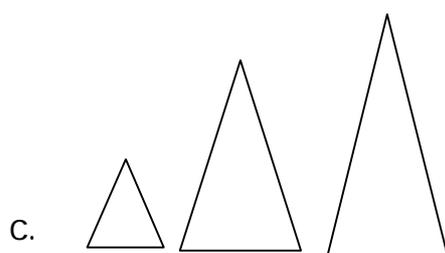
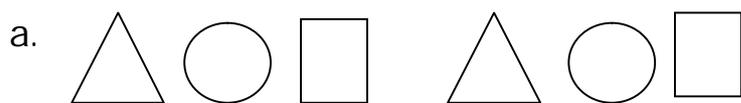
4. Fill in the answer.

a. $9 + 5 = \underline{\hspace{2cm}}$

b. $13 - 1 = \underline{\hspace{2cm}}$

c. $6 + 3 = \underline{\hspace{2cm}}$

5. Extend the patterns.



6. Complete the following number pattern.

a. 35; 40; ____; ____; ____; 60

b. 10; ____; 30; ____; ____; 60

c. 1; ____; 3 ; ____; ____; 6

7.1 How many stars are drawn in the frame below? Use repeated addition to work out your answer.

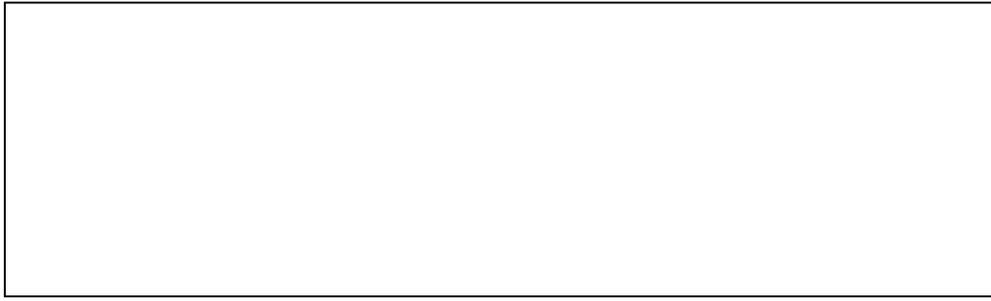


a. Answer _____

b. How many apples are drawn below. Use repeated addition to work out your answer.



c. A single box has 9 crayons. How many crayons will 3 boxes have?



8.1 Arrange the following numbers from the smallest to the greatest:

a. 15 12 13 7

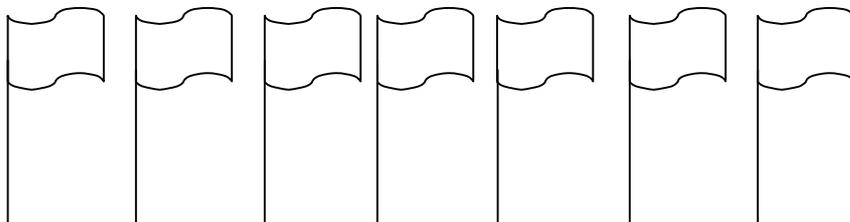


b. 6 8 9 7 1



8.2 Write the following numbers on the flag from greatest to smallest.

5, 2, 7, 1, 6, 4, 3



Use the calendar below to answer the question.

March 2013						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
				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

9.1 Which day comes 5 days after Wednesday? _____

9.2 Complete each sentence.

Use the words "Monday" or "Sunday" or "Tuesday" to

a. _____ is the day after Sunday.

b. _____ is the day before Monday.

9.3 Fill in the missing months

January; _____; March; April; May ; _____; July
August; September; October; November; December.

10.1 

Mother has six apples to share equally between her 2 children.
How many apples will each child get?

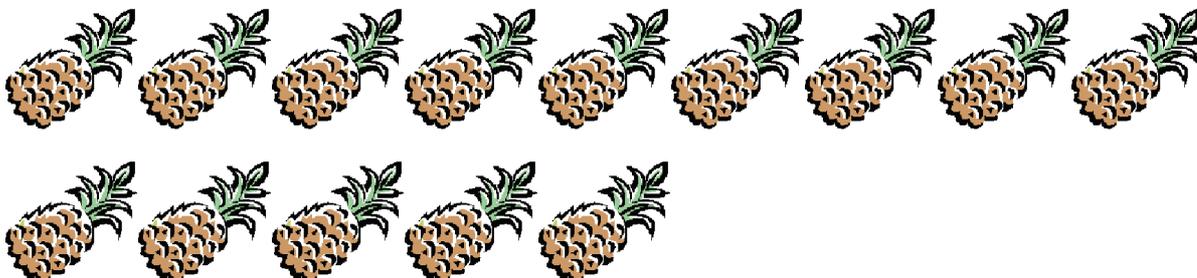
Each child gets _____ apples.

10.2 Share the 12 balls in the picture equally among 3 boys.



Each boy gets _____ balls.

10.3 Share 14 pineapples amongst 7 women.



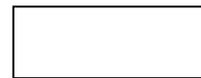
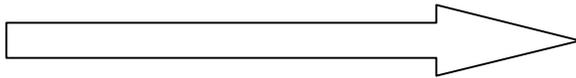
Each woman will get _____ pineapples.

11.1 Draw a cross "X" on the longest line.

Line A 

Line B 

Line C 



Arrow

Ribbon

rectangle

Look at the above pictures and then fill in the answers for the sentence below.

11.2 a. The _____ is the shortest.

b. The _____ is much longer than the ribbon.

12. Use the number line to show how you add:

a. 5 and 7.

b. 4 and 4.

c. 7 and 3.

13. Fill in the correct number.

Number	Number doubled
4	_____
7	_____
_____	20

14.1 Lerato has 15 bananas. John has 8 bananas.

Use the space provided for your calculations

How many more bananas does Lerato have than John?

Lerato has _____ more bananas than John.

14.2 Leon has 3 sweets and David has 6 sweets.

Leon and David have _____ sweets altogether.

14.3 Vusi picked 4 apples and Nonto picked 5 apples.

Together they picked _____ apples.

15.1 Mom bought an ice cream for R5.

a. How much will 3 ice creams cost?

b. Mom paid with R20. How much change does she get if she buys 3 ice creams?

15.2 Complete the table. The first line is done for you.

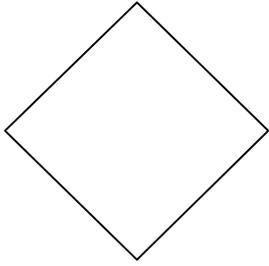
Price of the item:	I paid with a:	My change is:
e.g. R1,20c	R2,00	80 c
 R10, 00c	R20,00	a. _____
 R3, 00c	R5,00	b. _____

15.3 Pule has R5, 00. He bought a chocolate for R2,00 and bananas for R2, 00. How much change does he get?

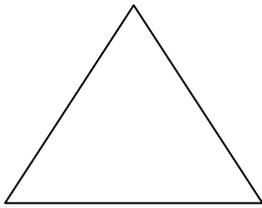


Draw one line of symmetry on the following shapes.

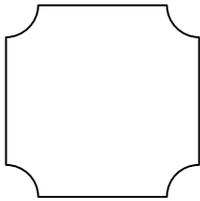
16.1



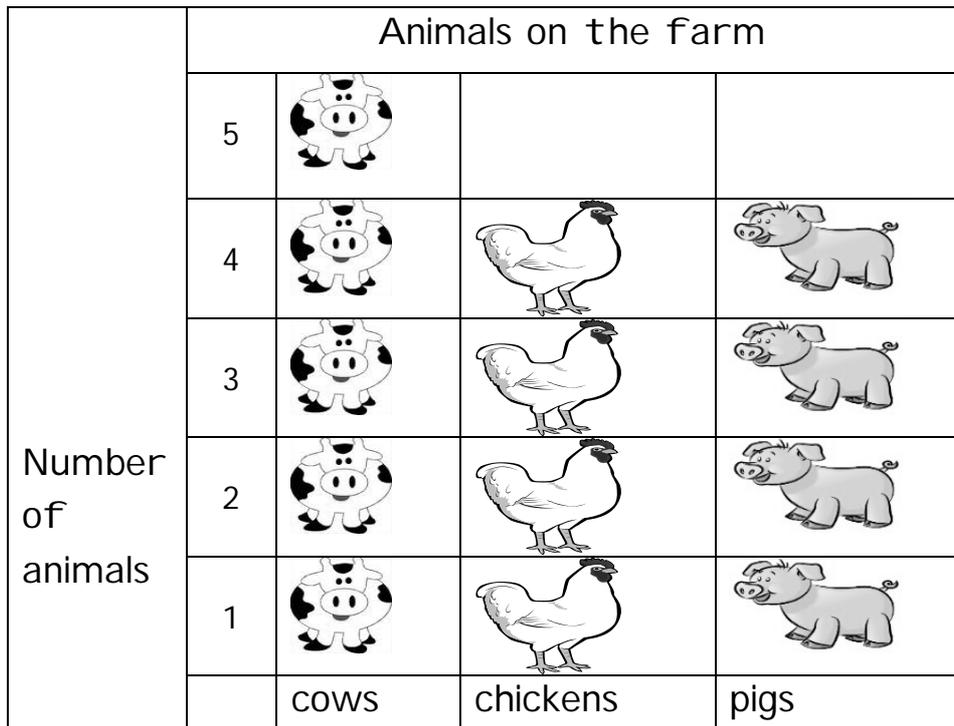
16.2



16.3



Use the graph below to answer the question.



17.1 There are the same number of chickens and _____ on the farm.

Look at the pictograph below and answer the questions that follow:

Key: 😊 represents 1 learner

Learner's Pets				
Number of learners		😊		
		😊		
		😊		
		😊		😊
	😊	😊		😊
	😊	😊		😊
	😊	😊	😊	😊
	😊	😊	😊	😞
	Dog	Cat	Fish	Bird

17.2 a. How many learners have fish? _____

b. How many more learners have cats than dogs? _____

Look at the pictograph and then answer the following questions.

Flags are sold at the schools tuck shop during first break.

Key:  represents 1 flag.

				
				
				
				
				
				
Monday	Tuesday	Wednesday	Thursday	Friday

17.3 a. On which day were the fewest flags sold?

b. The number of flags sold on Monday is ...

c. The total number of flags sold for the week is ...
