



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

EXEMPLAR: TERM 2

GRADE 2: MATHEMATICS

DIAGNOSTIC ASSESSMENT

Name: _____

Class: _____ Date: _____

School: _____ Teacher: _____

Content Areas (<i>Building Number Sense</i>)	Questions	Learner's mark
Numbers, Operations and Relationships <i>integrated with</i> Patterns, Functions and Algebra	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	
TOTAL (15 marks)		

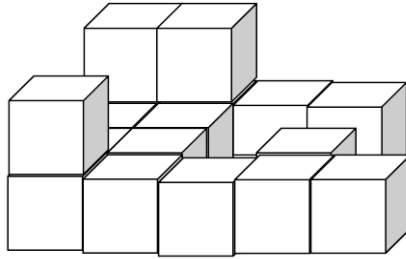
Notes for the teacher.

1. Administer in a group of at least 6 learners.
2. Provide the required apparatus to demonstrate/ pack out / allow learners to verbalise their thoughts...
3. Make sure that learners do not copy.
4. Give clear instructions.

Choose the correct answer, circle the correct letter.

1. How many blocks are there?

(1)



a. 18

b. 17

c. 15

d. 13

2. Mary gets 3 sweets for school from Monday to Friday.

After Friday 9 sweets are left in the packet.

Which one **does not** show how many sweets were in the packet **before it was opened**? (1)

a. $3 + 3 + 9$

b. $15 + 9$

c. $5 \times 3 + 9$

d. 24

3. Give the 8th number in this **pattern** (adding 5):

11

16

21

26

(1)

a. 31

b. 41

c. 46

d. 56

4. Ann is 2 years younger than Busi.

Busi is twice as old as Silo.

Silo is 10 years old.

What is Ann's age?

(1)

a. $20 - 2$

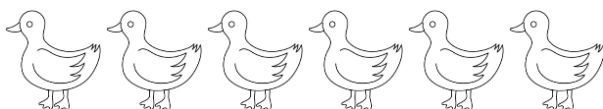
b. $10 + 2$

c. $10 - 2$

d. $20 + 2$

5. The ducks and dogs have _____ legs altogether.

(1)



a. 24

b. 28

c. 10

d. 29

6. Which set of numbers are arranged from biggest to smallest? (1)

- a. 54 45 79 97 b. 97 54 79 45 c. 45 54 79 97 d. 97 79 54 45

7. Find the value of .

$35 - \text{[]} = 5 + 5 + 5 + 5 + 10$ (1)

- a. 10 b. 5 c. 20 d. 15

8. Bags A, B, C have a different number of sweets.



A has 6 sweets more than B.



B has 7 sweets.



If there are 36 sweets in total. How many sweets are there in C? (1)

- a. 13 b. 42 c. 16 d. 43

9. Look at the grid below.

48	51	54	57	60
33	36	39	42	45
18	21	24	27	30
15	12	9	 6	3

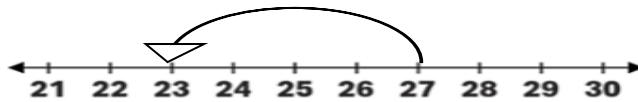
A coin was placed at 6.

It was moved 3 places to the left, 1 place up, 4 places to the right and 2 places up.

On which numbered **rectangle** is the coin now on? (1)

- a. 15 b. 60 c. 33 d. 57

10. What number sentence below matches what is shown on the number line? (1)



- a. $23 + 27$ b. $27 - 23$ c. $27 - 4$ d. $23 + 4$

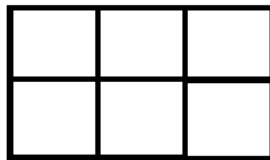
11. 6 oranges were sold for R10.
How many oranges can be sold for R40? (1)

- a. 16 b. 24 c. 12 d. 18

12. Sandy sold 30 muffins to 1 group of learners.
She then sold half of the remaining muffins to another group of learners.
She still had 10 muffins left.
How many muffins did Sandy start off with? (1)

- a. 40 b. 55 c. 50 d. 65

13. Count the number of squares of all sizes below. (1)



- a. 6 b. 8 c. 7 d. 10

14. How much change must Sam get if he buys the chocolate? (1)

R20



R20



- a. R13 b. R23 c. R15 d. R12

15. Ten less than the missing number in the sequence is. _____ (1)

98, 88, _____ 68, 58, 48, 38, 28

- a. 66 b. 48 c. 68 d. 88

Total Marks: 15