



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

EXEMPLAR: TERM 3

GRADE 2: MATHEMATICS

DIAGNOSTIC ASSESSMENT

Name: _____

Class: _____ Date: _____

School: _____ Teacher: _____

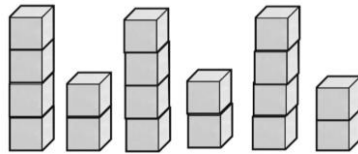
Content Areas (<i>Building Number Sense</i>)	Questions	Learner Marks
Numbers, Operations and Relationships <i>integrated with</i> Patterns, Functions and Algebra	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	
TOTAL (15 marks)		

Notes for the teacher.

1. Administer in a group of at least 6 learners.
2. Provide the required apparatus to demonstrate / pack out and 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. Double the number of cubes in the bottom two rows, then add it to the cubes in the top two rows. (1)



- a. 24 b. 30 c. 18 d. 36

2. Sifiso had 26 sweets. He needs more to have 43 sweets altogether. (1)

- a. 69 b. 18 c. 17 d. 19

3. Make the number sentence true. $31 + 7 = \square + 22$ (1)

- a. 38 b. 9 c. 16 d. 60

4. If 2 keys are used for one length of a square.
How many paperclips will I need for 6 squares? (1)



- a. 20 b. 16 c. 32 d. 64

5. Sipho has 42 cupcakes. He gives half to his friend. How many are left? (1)



- a. 14 b. 21 c. 7 d. 28

6. There are 56 birds on the tree.
30 flew away. Later 16 flew away.
How many birds were left on the tree?



(1)

a. 46

b. 26

c. 36

d. 10

7. Share the sweets between the 2 children. Each gets _____.

(1)



a. 10

b. 5

c. 20

d. 12

8. Which set of numbers are arranged in descending order?

(1)

- a. 138 186 168 183
- b. 168 186 138 183
- c. 186 168 138 183
- d. 186 183 168 138

9. Which number has 5 in the tens place, 8 in the ones place and 0 in the hundreds place? (1)

a. 50

b. 85

c. 58

d. 80

10. Write the tenth number in this number pattern: 16, 26, 36, ... (1)

a. 37

b. 46

c. 106

d. 96

11. Mary gets 4 sweets for school from Monday to Thursday.

After Wednesday 8 sweets are left in the packet.

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

a. $4 + 4 + 4 + 4 + 4$

b. $16 + 8$

c. $12 + 8$

d. 5×4

12. Ben is 5 years younger than Ted.

Ted is three times as old as Silo.

Silo is 6 years old.

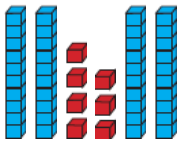
What is Ben's age? (1)

a. $18 - 6 - 3$

b. $5 - 3 + 6$

c. $11 - 6 \times 3$

d. $6 \times 3 - 5$



13. The number is _____.

(1)

a. 3 tens + 1 ten + 4 ones + 3 ones =

b. 2 tens + 2 tens + 6 ones =

c. 4 tens + 2 ones + 3 ones =

d. 2 tens + 17 ones =

14. If I buy three bananas for R10. How many bananas can I buy for R50? (1)

a. 16

b. 20

c. 15

d. 12

15. Nine tricycles  have _____ wheels. (1)

a. 16

b. 24

c. 27

d. 36

Total Marks: 15