



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

EXEMPLAR TERM 3

GRADE 3: MATHEMATICS

DIAGNOSTIC ASSESSMENT

Name: _____

Class: _____ Date: _____

School: _____ Teacher: _____

Content Areas	Questions	Learner marks
Numbers, Operations and Relationships, Patterns, Functions and Algebra, Space and Shape, Data Handling	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19.1, 19.2	
TOTAL (20 marks)		

Choose the correct answer, circle the correct letter.

1. Double the number of cubes in bottom row **then add** it to the cubes in the top row. (1)



- a. 25 b. 30 c. 35 d. 50

2. Sifiso had 49 sweets. He needs more to have 87 sweets altogether. (1)

- a. 136 b. 37 c. 38 d. 36

3. Make the number sentence true. $131 + 37 = \square + 30 + 100$ (1)

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

4. If I use 4 keys for the length of one side of a square.
How many keys will I need for 9 squares? (1)



- a. 25 b. 64 c. 36 d. 144

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



- a. 14 b. 19 c. 16 d. 5

6. There are 156 pears on the tree.
Lyle picked 65 pears and 30 fell off the tree.
How many pears are left on the tree?

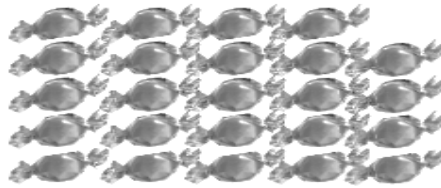


(1)

- a. 95 b. 186 c. 211 d. 61

7. Sipho shares the sweets equally amongst the three friends. Each gets _____ .

(1)



- a. 8 b. 5 c. 7 d. 12

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

(1)

- a. 438 486 468 483
b. 468 486 438 483
c. 486 468 438 483
d. 486 483 468 438

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

(1)

- a. 805 b. 580 c. 508 d. 850

10. Write the tenth number in this number pattern: 216, 226, 236, ...

(1)

- a. 246 b. 266 c. 306 d. 296

11. Mary takes 6 biscuits for school from Monday to Wednesday.

After Wednesday 12 biscuits are left in the box.

Which one does not show how many biscuits were in the box before it was opened? (1)

a. $6 + 6 + 12 + 6$

b. $3 \times 6 - 12$

c. $6 \times 3 + 12$

d. $6 + 6 + 6 + 12$

12. Ben is 9 years younger than Ted.

Ted is 5 times as old as Silo.

Silo is 4 years old.

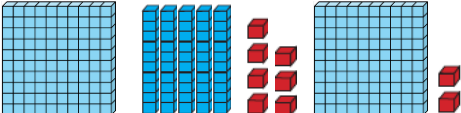
What is Ben's age? (1)

a. $20 + 5 - 4$

b. $9 \times 5 - 4$

c. $14 - 4 + 5$

d. $4 \times 5 - 9$

13.  The number is _____. (1)

a. 2 hundred + 4 tens + 7 ones + 3 ones =

b. 2 tens + 2 tens + 7 ones =

c. 5 tens + 2 hundred + 9 ones =

d. 7 ones + 4 tens + 2 hundred =

14. If I buy five bananas for R20.

How many bananas can I buy for R80? (1)

a. 15

b. 60

c. 20

d. 25

15. **Eight bicycles and 9 tricycles** have _____ wheels. (1)



a. 40

b. 34

c. 51

d. 43

16. Two adults and some children go to the Zoo.

The two adults paid R50 each and the children's tickets cost R20 each.

They paid R220 in total.

How many children were there?

(1)

a. 6

b. 8

c. 7

d. 5

17. Bags A, B, C and D have marbles.



A has 14 marbles less than **B**.



B has 40 marbles.



Bag **C** and **D** each have 20 marbles. How many marbles are there in total?

(1)

a. 74

b. 106

c. 80

d. 94

18. Five hours later the time will be.

(1)



a. 8 o'clock

b. half past 7

c. half past 6

d. 7 o'clock

19.1 Ben was 60 years old on 19 May. Fifteen years ago, he was _____ years old. (1)

- a. 79 b. 59 c. 41 d. 45

19.2 Len’s birthday was 5 days before 30 May. His birthday was on the _____ May. (1)

- a. 25 b. 35 c. 29 d. 34

May 2025						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				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

20 Marks