



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

EXEMPLAR TERM 2
GRADE 3: MATHEMATICS
DIAGNOSTIC ASSESSMENT

Name: _____

Class: _____ Date: _____

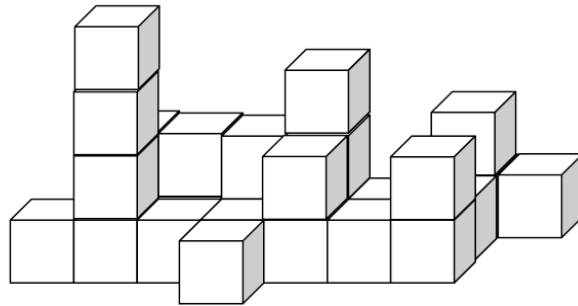
School: _____ Teacher: _____

Content Areas	Questions	Learner's mark
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 only** for 1-18.

1. Count the total number of cubes.

(1)



a. 28

b. 27

c. 29

d. 31

2. Mary takes 4 biscuits for school from Monday to Friday.

After Friday 12 biscuits are left in the box.

How many biscuits were in the box before it was opened.

(1)

a. $4 + 4 + 12 + 12$

b. $4 \times 5 + 12$

c. $4 \times 4 + 10$

d. $12 + 8 + 8 + 4$

3. Mary is 7 years younger than Barry.

Barry is twice as old as Sam.

Sam 15 years old.

What is Mary's age.

(1)

a. 21

b. 30

c. 23

d. 31

4. The **10th** number in the pattern (adding 20).

5 25 45 65

(1)

a. 285

b. 385

c. 85

d. 185

5. How many wheels altogether? **(Five bicycles and 6 tricycles.)**

(1)



a. 28

b. 35

c. 38

d. 40

6. Which set of numbers is arranged from biggest to smallest?

(1)

a. 254 245 379 397

b. 397 254 379 245

c. 224 254 379 397

d. 397 379 254 245

7. Find the value of .

(1)

$$72 - 12 = 40 + \boxed{}$$

a. 30

b. 60

c. 62

d. 20

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

(1)



A has 4 marbles less than B.



B has 10 marbles.

C and D each have 5 marbles. How many marbles are there in total?

a. 22

b. 19

c. 26

d. 11

9. Look at the grid below.

84	80	76	72	68
64	60	56	52	48
44	40	36	32	28
24	20	16	12	8

A coin was placed at 16.

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

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

- a. 48 b. 84 c. 28 d. 32

10. The ducks and dogs have _____ legs altogether? (1)



- a. 28 b. 36 c. 22 d. 44

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

- a. 518 b. 185 c. 817 d. 158

12. Which pattern does not belong? (1)

- a. 110 112 114 116
b. 204 206 208 210
c. 316 318 320 322
d. 117 120 123 126

13. Gugu saves for a pair of shoes that costs R150.

She has half the amount. How much more does she need?

(1)

a. $R150 - R75$

b. $R75 + R75$

c. $R200 - R150$

d. R100

14. In our school each learner has their own desk.

(1)

There are 46 learners in Grade 3A and 34 in Grade 3B.

How many desks do we need for both classes?

a. $46 + 34$

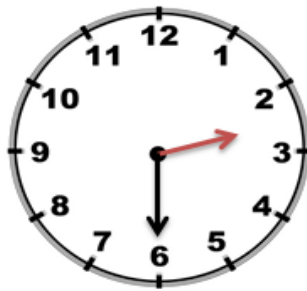
b. 80

c. $80 - 34$

d. (a,b)

15. Three hours later the time will be.

(1)



a. half past 5

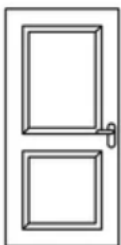
b. half past 4

c. half past 6

d. 6 o'clock

16. What is the shape of the door?

(1)



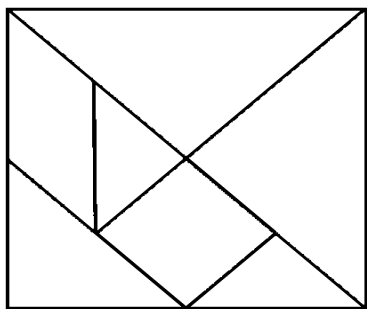
a. square

b. triangle

c. rectangle

d. circle

17. How many triangles and squares are in the **picture**? (1)



- a. 1 square and 6 triangles
- b. 2 squares and 7 triangles
- c. 1 square and 5 triangles
- d. 5 triangles and 3 squares

18. Mandla takes 45 minutes to get to school. Zander takes twice as long.
How **many hour/s and minutes** does Zander take to get to school? (1)

- a. 45 minutes + 45 minutes
- b. 1 hour 30 minutes
- c. 1 hour 15 minutes
- d. 90 minutes

19. The **month of January 2025**.

- 19.1 Granny was 83 years old on 1 January. Ten years ago, she was _____ years old. (1)
- 19.2 Lebo’s birthday was 7 days before 21 January. His birthday was on the _____ January. (1)

January 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