

TERM 2 EXEMPLAR

GRADE 3: MATHEMATICS DIAGNOSTIC ASSESSMENT

Name: _____

Class: _____ Date: _____

School: _____ Teacher: _____

Content Areas	Questions	Learner's mark
Numbers, Operations and Relationships	1, 2, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 25	
Patterns, Functions and Algebra	3, 4, 9, 12, 17	
Space and Shape		
Data Handling	24	
TOTAL (30 marks)		

Section A: Question 1 to 10 carries one mark each.

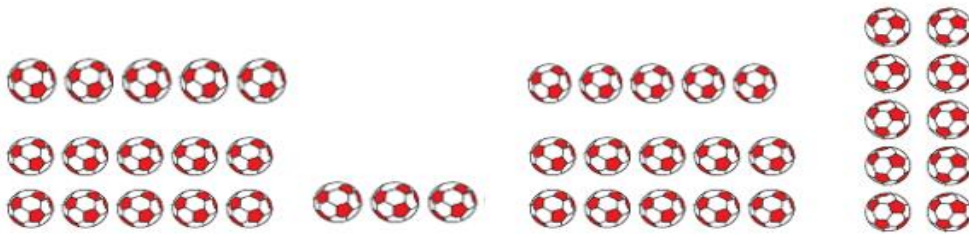
Choose the correct answer, and write the letter on the line provided.

1. How many more bugs are there in **Jar C** than **Jar D**? (1)



- a. 3 b. 8 c. 6 d. 2 _____

2. How many balls are there altogether? (1)



- a. 26 b. 40 c. 23 d. 43 _____

3. $5 + 5 + 5 + 5 + 5 + 5 + 5 =$ (1)

- a. 25 b. 37 c. 35 d. 40 _____

4. What is the missing number in the box? (1)

$$8 + \square + 8 + 8 = 32$$

- a. 10 b. 8 c. 9 d. 4 _____

5. What is the missing number in the box? $92 - \square = 82$ (1)

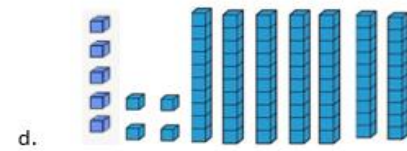
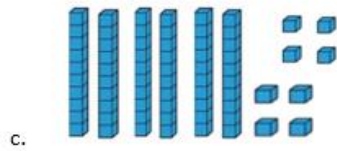
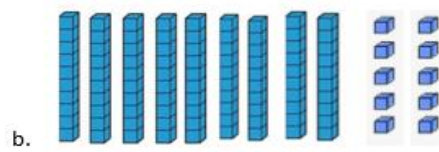
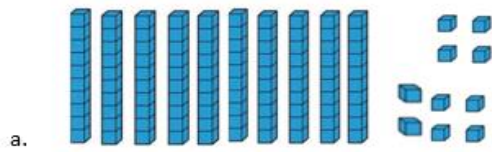
- a. 11 b. 13 c. 10 d. 12 _____

6. Subtract 3 from 51. What is the answer? (1)

- a. 56 b. 54 c. 49 d. 48 _____

7. Which of the following shows 79?

(1)



8. The next number in the sequence is:

(1)

67, 64, _____, 58, 55, 52

a. 61

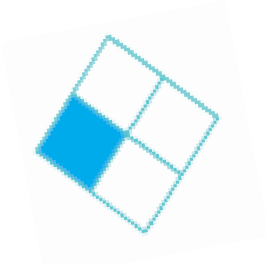
b. 54

c. 51

d. 62

9. What fraction of the square is shade?

(1)



a. quarter

b. half

c. third

d. eighth

Questions 10 – 20 carries 1 mark each. Write your answer in the blank (____) provided.

10. There are 57 children on the bus. 28 got off.
How many children were left on the bus? _____ (1)

Work space.



11. A chocolate slab has 4 pieces on the short side and 9 pieces on the long side.
How many pieces does the slab contain altogether. _____ (1)

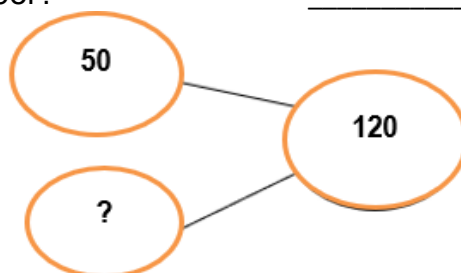


12. What is the 10th multiple of 4 in this pattern. _____ (1)

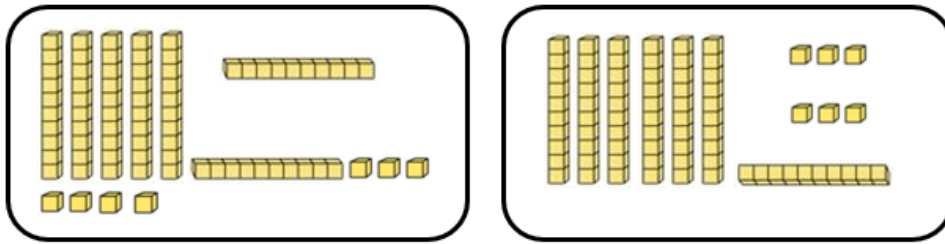


13. Six pens cost R36. How much change must I get if I paid with R50? _____ (1)

14. What is the missing number? _____ (1)

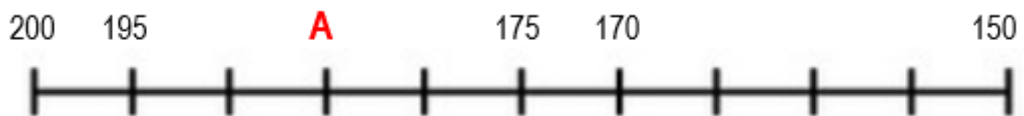



15. Study the groups. Write the smallest number? _____ (1)



16. What is the difference between **150** and **105** ? _____ (1)

17. What number is **A** ? _____ (1)



18. Look at Luvo's birthday cake. 
 If his father is 30 years older than him. How old is his father? _____ (1)

19. Cathy reads 200 pages of a book.
 Mike reads 148 pages of the same book.
 How many more pages did Cathy read than Mike? _____ (1)

Workspace.



20. Three children want to share 27 balloons equally. How many will each get?

Workspace.

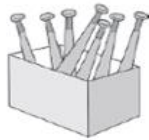
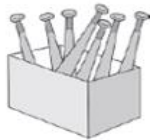


Question 21 – 25 carries 2 marks each.

Write your answer in the answer blank (_____) provided. Show your work.

21. Write the 2 possible number sentences.

(2)



22. Rose baked 20 cakes for the cake sale. Nelly baked 30 cakes and Mom baked one dozen cakes. How many more cakes than Mom did Rose and Nelly bake altogether. _____ (2)

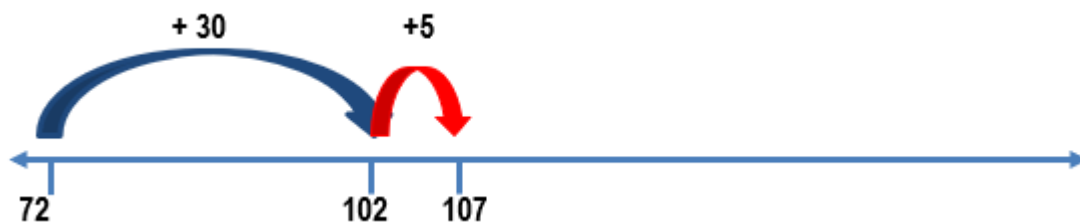
Workspace.








23. Study the number line, below. Write the number sentence. _____

Now show how you can add 30 more on the number line and write your answer on the number line.

(2)



24. Customers who bought drinks with their meals at these places were offered a free refill for every drink bought. The pictograph shows the number of drinks sold at each place. (2)

Resturant	Number of drinks sold
Mr. Fish	
Spur	
Pizza Hut	
Kentucky	
Nando's	

Each  equals 10 drinks

How many more refills did Kentucky issue than Spur? _____

25. Circle 6 groups of 5 stars in the picture below. (2)



There are _____ stars in all the groups.

Division sentence is : _____

Total: 30 marks