

# GRADE FIVE END OF YEAR SAMPLE TEST

## TABLE OF SPECIFICATION: SECTION A

### SECTION A – MULTIPLE CHOICE

Section A comprises 44 multiple-choice items covering the five strands of the curriculum. All items are weighted equally and together are worth 44 marks.

STRANDS	Simple Recall/ Knowledge	Use of Knowledge	Mathematical Reasoning	Total # of Items
Number	2 (9,10)	14 (1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 15, 16, 17)	3 (14, 18, 19)	19
Measurement	5 (20, 21, 23, 24, 29)	4 (25, 26, 27, 28)	1 (22)	10
Geometry	1 (32)	1 (30)	1 (31)	3
Algebra	1 (33)	1 (35)	1 (34)	3
Statistics	2 (40, 41)	7 (36, 37, 38, 39, 42, 43, 44)	-	9
Total # of Items	11	27	6	44

## TABLE OF SPECIFICATION: SECTION B

### SECTION B

Section B comprises 5 structured questions covering four of the five strands of the curriculum. Students are required to answer all questions. Questions are weighted differently giving a total of 16 marks.

STRANDS	Simple Recall/ Knowledge	Use of Knowledge	Mathematical Reasoning	Total # of Marks
Number	-	3 (1a, 1b, 1c)	3 (2a)	6
Measurement	-	2 (3a, 3b)	2 (3c)	4
Geometry	1 (5a)		2 (5b)	3
Algebra	-	1 (4a)	2 (4b)	3
Statistics	-	-	-	-
Total # of marks	1	6	9	16

# SAMPLE END OF YEAR TEST – SECTION A

Grade Five

Mathematics

Sample End of Year Test

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## SECTION A

**CIRCLE THE CORRECT ANSWER FOR EACH OF THE FOLLOWING.**

- Which best represents four thousand, three hundred and three?
  - 453
  - 4033
  - 4303
  - 40003003
- What is the value of  $21.34 + 378.15 + 3.01$ ?
  - 302.50
  - 392.50
  - 402.50
  - 492.50
- Which best describes the set  $\{2, 3, 5, 7, 11 \dots\}$ ?
  - odd numbers
  - even numbers
  - fractional numbers
  - prime numbers
- What is the value of  $486 \times 37$ ?
  - 18042
  - 17982
  - 17980
  - 17882

5. Round off to the nearest hundredth: 29.909.
- a) 29.908
  - b) 29.910
  - c) 29.918
  - d) 30.908
6. What is the value of  $4007 - 3984$ ?
- a) 13
  - b) 23
  - c) 123
  - d) 133
7. Which of the following represents  $5^3$ ?
- a)  $5 \times 5 \times 5$
  - b)  $5 + 5 + 5$
  - c)  $5 \times 3$
  - d)  $3 \times 3 \times 3 \times 3 \times 3$
8. Express  $\frac{4}{5}$  as a decimal number.
- a) 0.4
  - b) 0.45
  - c) 0.6
  - d) 0.8
9. What is the least common multiple for 12 and 8?
- a) 4
  - b) 12
  - c) 24
  - d) 48
10. Study shows that there are over 2 034 651 stars in the galaxy. What is the value of the 3 in this number?
- a) three thousand
  - b) thirty thousand
  - c) thirty four thousand
  - d) three hundred thousand

11. What is the value of  $3\frac{3}{4} - 2\frac{1}{4}$  ?

a)  $1\frac{1}{2}$

b)  $1\frac{3}{4}$

c)  $2\frac{1}{4}$

d)  $2\frac{3}{4}$

12. What is the value of  $2\frac{1}{3} + 4\frac{1}{2}$  ?

a)  $6\frac{1}{6}$

b)  $6\frac{1}{5}$

c)  $6\frac{2}{5}$

d)  $6\frac{5}{6}$

13. What is the value of  $\frac{1}{3} \times \frac{1}{2}$  ?

a) 6

b)  $\frac{1}{6}$

c)  $\frac{5}{30}$

d)  $\frac{1}{5}$

14. Mr. Phillips needs  $2\frac{1}{3}$  m of fabric to make a shirt.

How many similar shirts can be made from 35m of material?

a) 37 shirts

b) 15 shirts

c) 18 shirts

d) 32 shirts

15. Express 3.25 as a fraction in its lowest term?

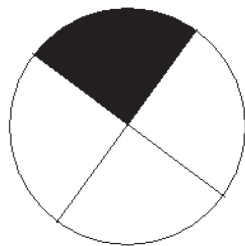
- a)  $3\frac{1}{4}$
- b)  $3\frac{3}{4}$
- c)  $3\frac{1}{2}$
- d)  $3\frac{2}{5}$

16. What is the product of 123 and 2.8?

- a) 3.444
- b) 34.44
- c) 344.4
- d) 3444

**Use the diagram to answer question 17**

17. If the shaded portion of the circle represents 17 students. How many students are there in all?



- a) 17
- b) 34
- c) 51
- d) 68

18. Three students collected 2 153 counters. One collected 635 and another collected 819. How many counters did the third student collect?

- a) 699
- b) 729
- c) 1434
- d) 1719

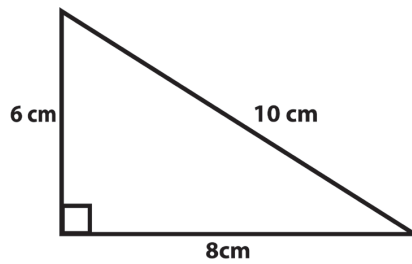
19. Claudia wants to pack 206 oranges into some boxes.  
What is the minimum number of boxes that she needs if each box can hold 12 oranges?
- a) 19
  - b) 18
  - c) 17
  - d) 16
20. Which unit would you use to measure the following items: water, milk and soda?
- a) metre
  - b) kilogram
  - c) grams
  - d) litre
21. Which of the following shows another way of writing 6 kilolitres?
- a) 60 L
  - b) 600 L
  - c) 6000 L
  - d) 60000L
22. A tree was 5.4 m tall 5 years ago. It grows an average height of 25 cm every year.  
How tall is the tree now?
- a) 5.65 m
  - b) 6.29 m
  - c) 6.65 m
  - d) 7.9 m
23. Which of the following is associated with the prefix centi?
- a) 100
  - b) 0.01
  - c) 0.001
  - d) 0.1

24. Marian bought 1 kg and 800 g of flour on Monday, while on Tuesday she bought 3 kg and 300g. What was the total amount of flour she bought?

- a) 3kg 500g
- b) 4kg 100g
- c) 4 kg 500g
- d) 5kg 100g

25. How would you find the area of the triangle below?

- a)  $6 \times 8 \text{ m}^2$
- b)  $\frac{6 \times 8}{2} \text{ m}^2$
- c)  $6 \times 8 \times 2 \text{ m}^2$
- d)  $6 \times 8 \times 10 \text{ m}^2$



26. How many millimetres are equivalent to 30 centimetres?

- a) 3 mm
- b) 30 mm
- c) 300 mm
- d) 3000 mm

27. The temperature in Canada was  $10^{\circ}\text{C}$  below zero. The next morning it was  $17^{\circ}\text{C}$  below zero. What is the difference in the temperature?

- a)  $7^{\circ}\text{C}$
- b)  $3^{\circ}\text{C}$
- c)  $-7^{\circ}\text{C}$
- d)  $-3^{\circ}\text{C}$

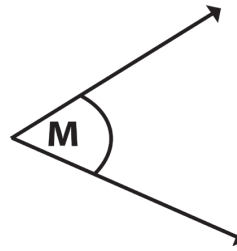
28. In the diagram below, side WX measures 14 cm. Side XZ is half the length of side WX. What is the perimeter of the shape?

- a) 14 cm
- b) 28 cm
- c) 42 cm
- d) 56 cm



29. What is the best estimate of the Angle M?

- a) less than  $90^\circ$
- b) equal to  $90^\circ$
- c) greater than  $90^\circ$  but less than  $180^\circ$
- d) greater than  $180^\circ$  but less than  $360^\circ$



30. Which of the following sets of interior angle measurements would most likely be that of an isosceles triangle?

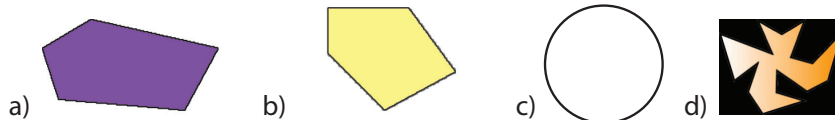
- a)  $90^\circ, 45^\circ, 45^\circ$
- b)  $60^\circ, 60^\circ, 60^\circ$
- c)  $100^\circ, 30^\circ, 50^\circ$
- d)  $120^\circ, 20^\circ, 40^\circ$

31. Which statement about the trapezoid is true?



- a) the trapezoid has 3 acute angles
- b) the trapezoid has 4 sides that are parallel
- c) the trapezoid has 2 right angles
- d) the trapezoid has 2 obtuse angles

32. Which of these shapes is NOT an example of a polygon?



33. Which expression represents the product of  $n$  and 25?

- a)  $25n$
- b)  $25 - n$
- c)  $25 + n$
- d)  $25 \div n$



34. Which situation best describes the expression  $4 + x$ ?
- a) 4 children and  $x$  adults in a room
  - b) A total number of books on a shelf and  $x$  are missing
  - c) A total of 4 cars in a parking lot
  - d) A total of 4 lost socks
35. What is the value of  $p$ , if  $3p + 6 = 12$ ?
- a) 9
  - b) 6
  - c) 3
  - d) 2

**Bobby obtained the scores below on his tests. Use these scores to answer questions 36 and 37.**

**96, 87, 75, 82, 87**

36. What is the range of Bobby's score?
- a) 9
  - b) 21
  - c) 87
  - d) 96
37. What is the median of the set of scores?
- a) 96
  - b) 87
  - c) 85
  - d) 75

**Use the following information to answer questions 38 and 39. A bag contains the following items: 3 red pens, 2 blue pens, 4 white pens and 3 black pens.**

38. If you were to choose one pen at random, which pen are you most likely to choose?
- a) a red pen
  - b) a blue pen
  - c) a white pen
  - d) a black pen

39. What is the probability of choosing a white pen?

- a)  $\frac{1}{4}$
- b)  $\frac{1}{6}$
- c)  $\frac{1}{3}$
- d)  $\frac{1}{2}$

Use the table below to answer questions 40 and 41

<b>No of books borrowed</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>No. of students</b>	<b>3</b>	<b>7</b>	<b>9</b>	<b>5</b>	<b>10</b>	<b>6</b>	<b>3</b>

A librarian recorded the number of books borrowed by pupils of Primary 5B in the table above.

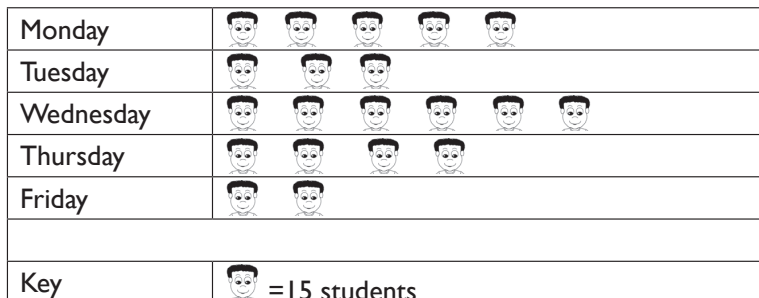
40. How many pupils borrowed 3 or more books?

- a) 5
- b) 15
- c) 19
- d) 24

41. What was the total number of books borrowed by the pupils of Primary 5B?

- a) 128
- b) 43
- c) 21
- d) 6

The pictograph shows students attendance at school for 5 days.  
Use the diagram below to answer questions 42 and 43.



42. On which day did 75 students attend school?
- Monday
  - Tuesday
  - Wednesday
  - Thursday
43. What is the mean attendance for Monday and Tuesday?
- 40
  - 50
  - 60
  - 70

Use the Table to answer question 44

The table shows the scores of students on a Mathematics Test

Students	Scores
Paul	89
Jim	34
Pam	72
Jill	34
Bob	20

44. Which statement is true about the data?
- 3 students got the same score on the test
  - 2 students scored more than 72 on the test
  - 3 students scored more than 50 on the test
  - 3 students scored less than 50 on the test

# SAMPLE END OF YEAR TEST – SECTION B

Grade Five

Mathematics

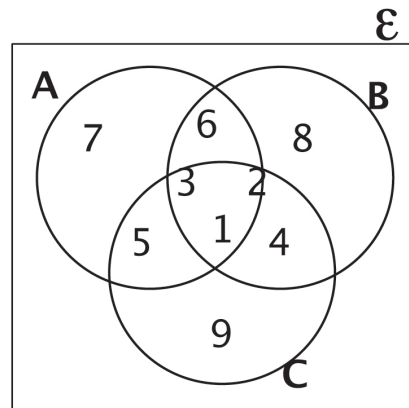
Sample End of Year Test

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## SECTION B

### ANSWER ALL QUESTIONS IN THIS SECTION

1. Observe the following Venn diagram and then use it to answer the questions below.



- a) What are the members of Set A?

\_\_\_\_\_

- b) What are the members of the Universal Set?

\_\_\_\_\_

- c) What are the members of  $A \cap B$ ?

\_\_\_\_\_

2. Read the price list and answer the questions below.

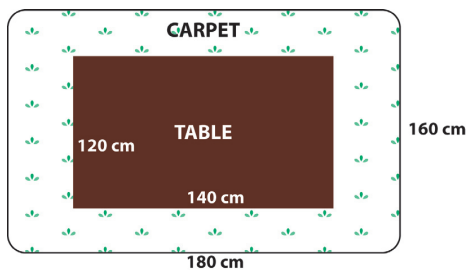
**Price List**

Bread	\$85.40
Butter	\$67.20
Syrup	\$55.80
Cheese	\$25.30

Paul bought 2 breads, 1 pack of butter, 2 bottles of syrup and 3 slices of cheese and got \$74.50 change. How much money did he have in the beginning? (Show working) (3 marks)

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3. Mother bought a carpet and placed it in her living room. She then placed a table in the middle of the carpet?



- a) What is the area of the table? \_\_\_\_\_ (1 mark)
- b) What is the area of carpet? \_\_\_\_\_ (1 mark)
- c) What is the area of the uncovered section of the carpet? \_\_\_\_\_ (2 marks)

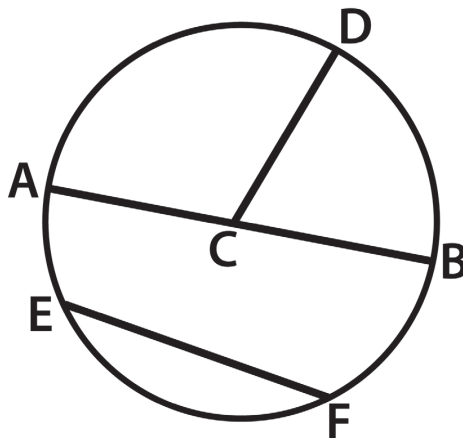
4. a) If  $x = 2$ ,  $y = 3$  and  $z = 4$ , find the value of  $\frac{y}{z} - \frac{x}{z}$  (2 marks)

\_\_\_\_\_

- b) David's father is 49. He is 15 years older than twice David's age. How old is David? (2 marks)

\_\_\_\_\_

5. Use the circle below to answer the following questions:



- a) Name the part of the circle labeled EF \_\_\_\_\_ (1 mark)
- b) Identify AB and CD then explain the relationship between both parts.

\_\_\_\_\_ (2 marks)

## SAMPLE END OF YEAR TEST – ANSWER SHEET

### Answer Sheet Grade Five Sample Test

- |     |   |     |   |
|-----|---|-----|---|
| 1.  | C | 23. | B |
| 2.  | C | 24. | D |
| 3.  | D | 25. | B |
| 4.  | B | 26. | C |
| 5.  | B | 27. | C |
| 6.  | B | 28. | C |
| 7.  | A | 29. | A |
| 8.  | D | 30. | A |
| 9.  | C | 31. | D |
| 10. | B | 32. | C |
| 11. | A | 33. | A |
| 12. | D | 34. | A |
| 13. | B | 35. | D |
| 14. | B | 36. | B |
| 15. | A | 37. | B |
| 16. | C | 38. | C |
| 17. | D | 39. | C |
| 18. | A | 40. | D |
| 19. | B | 41. | B |
| 20. | D | 42. | A |
| 21. | C | 43. | C |
| 22. | C | 44. | D |