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.

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

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.

<table>
<thead>
<tr>
<th>STRANDS</th>
<th>Simple Recall/ Knowledge</th>
<th>Use of Knowledge</th>
<th>Mathematical Reasoning</th>
<th>Total # of Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>-</td>
<td>3 (1a, 1b, 1c)</td>
<td>3 (2a)</td>
<td>6</td>
</tr>
<tr>
<td>Measurement</td>
<td>-</td>
<td>2 (3a, 3b)</td>
<td>2 (3c)</td>
<td>4</td>
</tr>
<tr>
<td>Geometry</td>
<td>1 (5a)</td>
<td>2 (5b)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Algebra</td>
<td>-</td>
<td>1 (4a)</td>
<td>2 (4b)</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total # of marks</td>
<td>1</td>
<td>6</td>
<td>9</td>
<td>16</td>
</tr>
</tbody>
</table>
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.

1. Which best represents four thousand, three hundred and three?
   a) 453
   b) 4033
   c) 4303
   d) 40003003

2. What is the value of 21.34 + 378.15 + 3.01?
   a) 302.50
   b) 392.50
   c) 402.50
   d) 492.50

3. Which best describes the set {2, 3, 5, 7, 11 ….}?
   a) odd numbers
   b) even numbers
   c) fractional numbers
   d) prime numbers

4. What is the value of 486 x 37?
   a) 18042
   b) 17982
   c) 17980
   d) 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) $3 \times 3 \times 3 \times 3$

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

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 $\frac{1}{5} \times \frac{1}{2}$?
   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 35 m 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) $\frac{3}{4}$
   b) $3\frac{3}{4}$
   c) $\frac{1}{2}$
   d) $\frac{2}{5}$

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 300 g. What was the total amount of flour she bought?

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

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°C below zero. The next morning it was 17°C below zero. What is the difference in the temperature?

a) 7°C  
b) 3°C  
c) −7°C  
d) −3°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°
   b) equal to 90°
   c) greater than 90° but less than 180°
   d) greater than 180° but less than 360°

30. Which of the following sets of interior angle measurements would most likely be that of an isosceles triangle?
   a) 90°, 45°, 45°
   b) 60°, 60°, 60°
   c) 100°, 30°, 50°
   d) 120°, 20°, 40°

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?
   a) 
   b) 
   c) 
   d) 

33. Which expression represents the product of n and 25?
   a) 25n
   b) 25 – n
   c) 25 + n
   d) 25 ÷ 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

<table>
<thead>
<tr>
<th>No of books borrowed</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of students</td>
<td>3</td>
<td>7</td>
<td>9</td>
<td>5</td>
<td>10</td>
<td>6</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Day</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>🗼 🗼 🗼 🗼 🗼</td>
</tr>
<tr>
<td>Tuesday</td>
<td>🗼 🗼 🗼 🗼 🗼</td>
</tr>
<tr>
<td>Wednesday</td>
<td>🗼 🗼 🗼 🗼 🗼</td>
</tr>
<tr>
<td>Thursday</td>
<td>🗼 🗼 🗼 🗼 🗼</td>
</tr>
<tr>
<td>Friday</td>
<td>🗼 🗼 🗼 🗼 🗼</td>
</tr>
</tbody>
</table>

Key 🗼 = 15 students

42. On which day did 75 students attend school?
   a) Monday  
   b) Tuesday  
   c) Wednesday  
   d) Thursday

43. What is the mean attendance for Monday and Tuesday?
   a) 40  
   b) 50  
   c) 60  
   d) 70

Use the Table to answer question 44
The table shows the scores of students on a Mathematics Test

<table>
<thead>
<tr>
<th>Students</th>
<th>Scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paul</td>
<td>89</td>
</tr>
<tr>
<td>Jim</td>
<td>34</td>
</tr>
<tr>
<td>Pam</td>
<td>72</td>
</tr>
<tr>
<td>Jill</td>
<td>34</td>
</tr>
<tr>
<td>Bob</td>
<td>20</td>
</tr>
</tbody>
</table>

44. Which statement is true about the data?
   a) 3 students got the same score on the test  
   b) 2 students scored more than 72 on the test  
   c) 3 students scored more than 50 on the test  
   d) 3 students scored less than 50 on the test
1. Observe the following Venn diagram and then use it to answer the questions below.

   ![Venn Diagram]

   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.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bread</td>
<td>$85.40</td>
</tr>
<tr>
<td>Butter</td>
<td>$67.20</td>
</tr>
<tr>
<td>Syrup</td>
<td>$55.80</td>
</tr>
<tr>
<td>Cheese</td>
<td>$25.30</td>
</tr>
</tbody>
</table>

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)

__________________________________________

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

![Diagram of carpet and table]

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)