## GRADE: 6
### SUBJECT: MATHEMATICS
### TERM ONE
### FORMAL ASSESSMENT TASK (FAT) 1.2

Name: _______________________________________________________

Class: ___________________________ Date: ________________

School: __________________________ Teacher:___________________

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Mathematics FAT 1.2 Grade 6
MATHEMATICS GRADE 6 FORMAL ASSESSMENT TASK (FAT) 1.2: TEST

Total: 60 Marks

Name: ____________________________
Date: __________

Instructions:
1) Answer all the questions.
2) Write your name and date.
3) No calculators allowed.
4) Show calculations as requested on question paper.
5) The marks allocated are an indication of the number of steps per calculation.
6) Check your answers.

Question 1: Look at the following number

1.1 Write the number in words.

________________________________________________________________________________________________________________ (1)

1.2 Write the number in expanded notation.

_______________________________________________________________________________________________________________ (1)

1.3 What is the value of 9? ________________________________.

(1)

1.4 What is the place value of the 5 in the number?

_______________________________________________________________________________________________________________ (1)

1.5 Calculate the difference in the value of the 4 and the 5

_______________________________________________________________________________________________________________ (3)

1.6 Determine the sum of the values of 3, 8 and 9

_______________________________________________________________________________________________________________ (3)

1.7 Complete:
1.7.1 Double the number is: ________________________________ (1)
1.7.2 Halve the number is: ________________________________ (1)

[12]

Question 2: Arrange the numbers in descending order:

25 016; 25 601; 25 106; 25 160; 25 610

_______________________________________________________________________________________________________________ [1]
Question 3: Complete the following by filling in <, >:

3.1  45 695 □ 45 726 (1)
3.2  67 990 □ 67 909 (1)
3.3  23 617 □ 23671 (1)

[3]

Question 4: Circle the correct answer:

4.1 Which number is not a factor of 36:
   A. 3           B. 4           C. 8           D. 18 (1)

4.2 Which number between 12 and 144 is a multiple of 12?
   A. 12          B. 106         C. 96          D. 46 (1)

4.3 Identify the prime number
   A. 45          B. 106         C. 96          D. 97 (1)

[3]

Question 5: Complete. Round off as requested:

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<th>1 000 000</th>
<th>5</th>
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<td>5.1</td>
<td>5.2</td>
<td>5.3</td>
<td>5.4</td>
</tr>
</tbody>
</table>

[4]

Question 6: Complete the following number sentences:

6.1 (24 - 9) x (3 + 6) = □ (1)
6.2 32 ÷ (3 + 5) x 8 = □ (1)

[1]

Question 7: Calculate:

7.1 At the start of an athletics meeting there were 21 750 spectators. After lunch 11 610 spectators left. How many spectators stayed till the end of the meeting? (3)

7.2 A second hand car dealer has three cars in his showroom. Their prices are as follows: R34 500, R39 999 and R22 999. Calculate the total value of the three cars. (3)
7.3 A second hand lorry cost R47 500 cheaper than a new lorry. If the prize of the new lorry is R99 999, what is the prize of the second hand lorry?

[3 marks]

Question 8: Fractions:

8.1 Which fraction of the diagram is shaded?

___________________________________________________

[1 mark]

8.2 Which letter indicates \( \frac{3}{2} \)?

___________________________________________________

[1 mark]

8.3 Circle the smallest fraction

\[ \frac{1}{2}, \frac{1}{7}, \frac{1}{3}, \frac{1}{10}, \frac{1}{6}, \frac{1}{4}, \frac{1}{8}, \frac{1}{5} \]

[1 mark]

8.4 A captain sees an iceberg with a height of 80 meters above the water line. Only \( \frac{1}{8} \) (one-eighth) of the iceberg is visible above the water line. What is the total height of the iceberg in meters?

[3 marks]

8.5 Calculate: \( 2 \frac{3}{5} + 3 \frac{4}{5} = \)

[2 marks]

8.6 Calculate: \( 1 \frac{1}{6} + 3 \frac{5}{6} - 2 \frac{1}{6} = \)

[3 marks]
Question 9: Identify the angles in the following figures

9.1

9.2

9.3

9.4

Question 10: Complete the flow diagram:

10

10.1

45

10.2

\( \div 5 \quad \times 3 \)
**Question 11: Answer the following:**

The graph shows detail on Kobus’ trip during a cycle tour of 50 km.

11.1 How many minutes are represented by 1 small block on the horizontal axis? _______ (1)

11.2 How far did Kobus ride from A to B? _______________________________ (1)

11.3 What do you think happened from B - C? ____________________________ (1)

11.4 How long did the trip from A to D last? ____________________________ (1)

**Question 12: Time. Circle the correct answers.**

12.1 How many hours and minutes are there in 236 minutes?
   A 2 hours 36 min  B 2 hours 56 min  C 3 hours 56 min  D 3 hours 50 min (1)

12.2 Which time is in the evening?
   A 10:30  B 21:30  C 05:30  D 08:30 (1)

12.3 Calculate: 14 days 6 hours – 5 days 4 hours (1)

**Total = 60 Marks**

**Bonus:**

Jim is happy this evening. How many minutes to midnight, do you reckon it is? (2)