



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

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

Class: \_\_\_\_\_ Date: \_\_\_\_\_

School: \_\_\_\_\_ Teacher: \_\_\_\_\_

FAT	Activity/Form	Learner's mark	Learner's %
1.1	TEST		
<b>TOTAL</b>			

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

Total: 60 Marks

Time: 1 ¼ hour

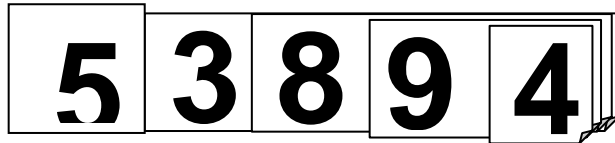
Name: \_\_\_\_\_

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:**

	100	1 000	1 000 000	5
254 659	5.1	5.2	5.3	5.4

[4]

**Question 6: Complete the following number sentences:**

6.1  $(24 - 9) \times (3 + 6) =$   (1)

6.2  $32 \div (3 + 5) \times 8 =$   (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)

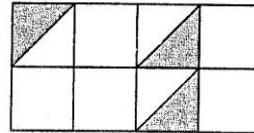
- 7.3 A second hand lorry cost R47 500 cheaper than a new lorry. If the prize of the new lorry is R99 999, what is the prize of the second hand lorry? (3)

[9]

**Question 8: Fractions:**

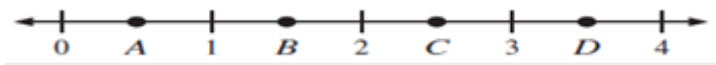
- 8.1 Which fraction of the diagram is shaded? (1)

\_\_\_\_\_



- 8.2 Which letter indicates  $\frac{3}{2}$ ? (1)

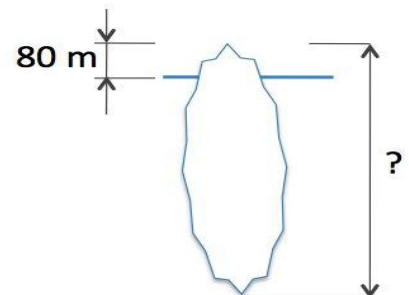
\_\_\_\_\_



- 8.3 Circle the smallest fraction (1)

$$\frac{1}{2} \quad \frac{1}{7} \quad \frac{1}{3} \quad \frac{1}{10} \quad \frac{1}{6} \quad \frac{1}{4} \quad \frac{1}{8} \quad \frac{1}{5}$$

- 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)

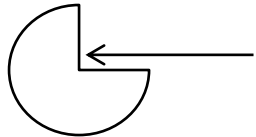
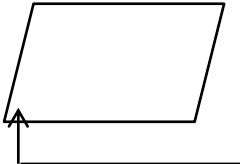
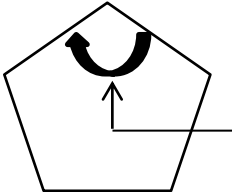
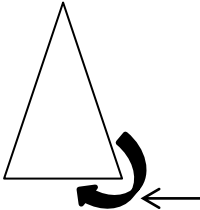


- 8.5 Calculate:  $2\frac{3}{5} + 3\frac{4}{5} =$  (2)

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

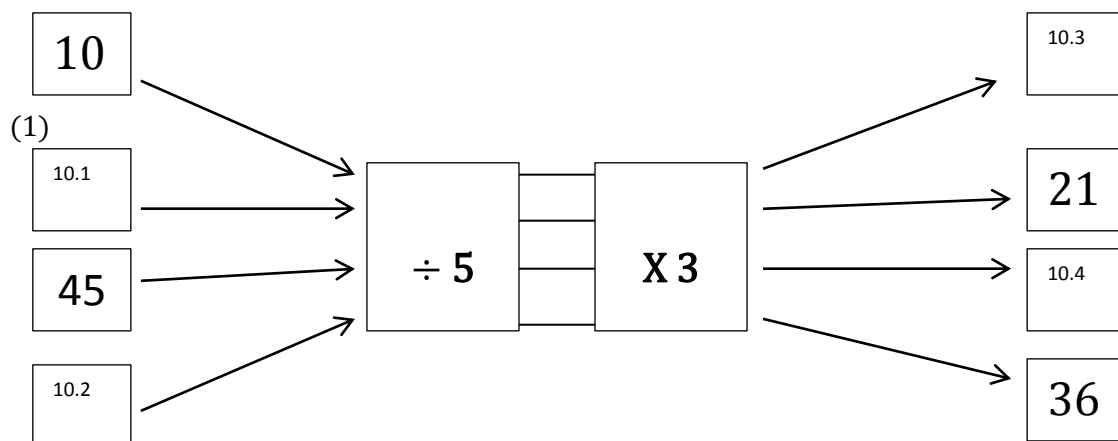
[11]

**Question 9: Identify the angles in the following figures**

	9.1..... (1)
	9.2..... (1)
	9.3..... (1)
	9.4..... (1)

[4]

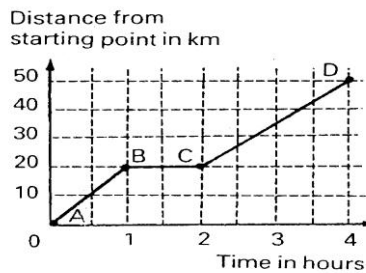
**Question 10: Complete the flow diagram:**



[4]

**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)

[4]

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

12.1 How many hours and minutes are there in 236 minutes?

- |                |                |                |                |     |
|----------------|----------------|----------------|----------------|-----|
| A              | B              | C              | D              |     |
| 2 hours 36 min | 2 hours 56 min | 3 hours 56 min | 3 hours 50 min | (1) |

12.2 Which time is in the evening?

- |       |       |       |       |     |
|-------|-------|-------|-------|-----|
| A     | B     | C     | D     |     |
| 10:30 | 21:30 | 05:30 | 08:30 | (1) |

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

[3]

**Total = 60 Marks**

**Bonus:**

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

