TOM NEWBY SCHOOL

TERM 4 FORMAL ASSESSMENT

Subject	**Mathematics**	**Examiner**	**Mrs J Otto/ Miss S Seedat**
Date	**November 2022**	**Total marks**	**50**
Term	**4**	**Duration**	**1 Hour**
Grade	**5**	**Moderator**	**Mrs M Fourie**
Special instructions/ Equipment	**1. Read all the questions carefully.** **2. Question 1 consists of 10 multiple choice questions. Circle the letter next to the answer.** **3. Answer question 2-8 in the spaces provided.** **4. All calculations must be shown on the question paper and not on a separate paper.** **5. Write neatly and legibly with a pen.** **6. The use of a calculator is not allowed.** **7. This paper consists of 9 pages.**		

Name:	**Surname:**	**Class:**

____
50

<u>QUESTION 1:</u> **<u>MULTIPLE CHOICE</u> [10]**

Choose the correct answer, then write the letter in the table given at the end of question 1.

1.1 Select the correct answer for the following: 6 + 3 000 + 500 000 + 900 + 70 000

a. 573 960
b. 753 096
c. 573 906
d. 735 906 (1)

1.2 What is the value of the underlined digit? **<u>8</u>**4 215

a. 8 000
b. 80 000
c. 80
d. 800 (1)

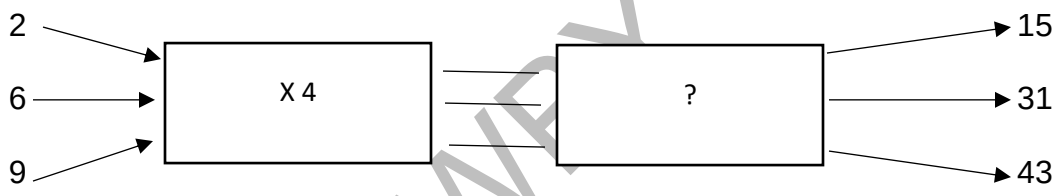
1.3 Which number is NOT a multiple of 7?

a. 55
b. 35
c. 42
d. 28 (1)

1.4 9 572 rounded off to the nearest 100:

a. 9 500
b. 9 576
c. 10 000
d. 9 600 (1)

1.5 Complete the rule for the following flow diagram:

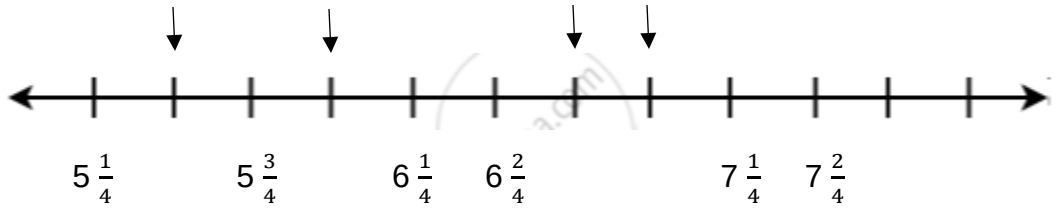


a. + 6
b. + 8
c. + 7
d. + 9 (1)

1.6 A two-litre bottle if filled $\frac{1}{4}$ with juice. How many more ml is needed to fill the bottle?

a. 750ml
b. 1750ml
c. 1000ml
d. 1500ml (1)

1.7 What are the missing fractions on the number line below?



a. $5\frac{1}{4}$; $5\frac{4}{4}$; $6\frac{3}{4}$; $6\frac{4}{4}$

b. $5\frac{2}{4}$; $5\frac{3}{4}$; $6\frac{3}{4}$; $6\frac{4}{4}$

c. $5\frac{3}{4}$; $5\frac{4}{4}$; $6\frac{2}{4}$; 7

d. $5\frac{2}{4}$; 6 ; $6\frac{3}{4}$; 7 (1)

1.8 Choose the missing number in the number pattern.

a. 506 820

b. 506 818

c. 506 822

d. 506 814 (1)

1.9 What is the missing number in this number sentence? 100 – 64 = _____ x 6

a. 4

b. 8

c. 5

d. 6 (1)

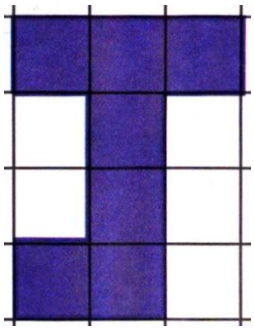
1.10 The perimeter of this shape is:

a. 14 units

b. 15 units

c. 16 units

d. 12 units (1)



Answer Grid

1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10

QUESTION 2: BASIC CALCULATIONS [13]

Calculate the following basic operations. Show all your working out.

2.1. 39 674 + 40 958

(2)

2.2. 72 102 – 18 653

(2)

2.3. 467 x 35

(3)

2.4. 578 ÷ 17

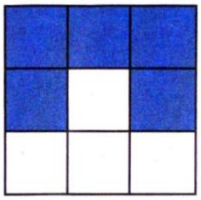
(3)

2.5. $6\frac{2}{6} - 3\frac{5}{6}$

(3)

QUESTION 3: **COMMON FRACTIONS [4]**

3.1. Complete the table: (2)

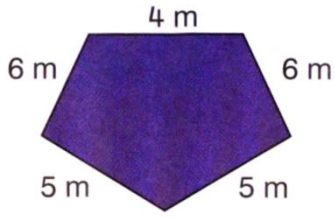
	Fraction shaded	Number of fraction pieces in a whole
	a) _____	b) _____

3.2. 48 friends went to a party. $\frac{2}{8}$ of them walked to the party. The rest went with transport. How many made use of transport?

(2)

QUESTION 4: **PERIMETER, AREA, VOLUME [4]**

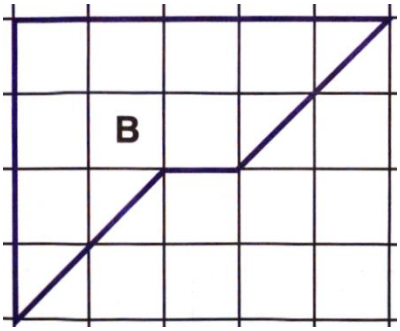
4.1. Look at the polygon. The measurements have been filled in. Complete the table.



(2)

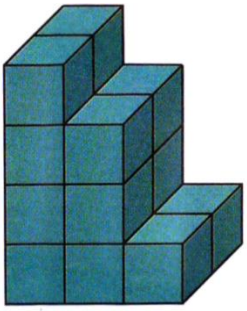
Name of 2- D shape	Perimeter
a) _____	b) _____

4.2. Find the Area of this shape: _____ (1)



4.3. Calculate the volume of this object by counting the number of cubes.

_____ (1)



QUESTION 5: **TIME [5]**

5.1. Write the time on the clock in:

a) 12h (am or pm) time _____ (1)

b) 24 hour time _____ (1)

5.2. Calculate the length of time for this activity. _____ (1)

5.3. Your heart beats an average of 80 beats per minute. How many beats per hour will that be? Show your working out.

(2)

QUESTION 6: **LENGTH [4]**

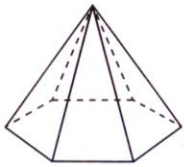
6.1. Complete the table: (2)

m	Km and m	Round off to the nearest km
7019	a) _____	b) _____

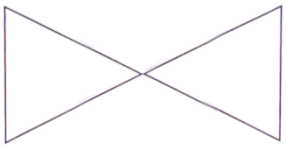
6.2. Rashied's house is 8,4m high. His dad's ladder is 4,8m long. How much longer does the ladder need to be to reach the top of the house? (2)

QUESTION 7: **2-D SHAPES, 3-D OBJECTS [6]**

7.1. Complete the table: (3)

3-D Object	Name of 3-D object	Number of faces	Shapes of faces
	a) _____	b) _____	c) _____

7.2. What transformation is this? _____ (1)



7.3. Name this angle. _____ (1)

7.4. Name one difference between a rectangle and a square.

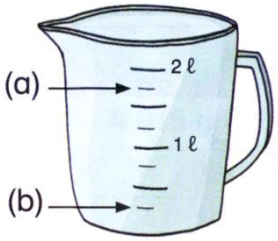
_____(1)

QUESTION 8: **CAPACITY [4]**

8.1. Write down the capacity of the jug marked at (a) and (b) in L and mL:

a) _____

b) _____ (2)



8.2. The art teacher used:

300mL of yellow paint

400mL of blue paint

750mL of red paint

900mL of green paint

How much paint did she use altogether? (2)

TOTAL: 50

PERFORMANCE ANALYSIS

MATHEMATICS GRADE 5

TERM 4 FORMAL ASSESSMENT

(For Teacher's use only)

NAME:_____ SURNAME: _____ CLASS:_____

QUESTION	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**TOTAL**	**%**
POSSIBLE MARKS	**10**	**13**	**4**	**4**	**5**	**4**	**6**	**4**	**50**	**100**
LEARNERS' MARKS										
MODERATORS' MARKS										
	MULTIPLE CHOICE	BASIC CALCULATIONS	COMMON FRACTIONS	PERIMETER, AREA, VOLUME	TIME	LENGTH	2-D SHAPES, 3-D OBJECTS	CAPACITY		