



TOM NEWBY SCHOOL
JUNE TEST 2022



Subject	MATHEMATICS	Examiner	MISS KLEMP
Date	JUNE 2022	Total marks	50
Grade	7	Moderator	MRS FOURIE
Special instructions/ Equipment	<u>Instructions</u> <ul style="list-style-type: none">• Answer all questions.• Read each question's instructions carefully.• Look at the mark allocation.• Write neatly and legibly.• No calculators.		
<p>This assessment has been compiled using notes and information contained in the Tom Newby School resource material. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking.</p>			

Name:	Surname:	Class:
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QUESTION 1 - Multiple Choice **[10]**

Choose the answer and write the correct letter in the table given on page 3.

- 1.1 9 347, 879 rounded off to the nearest tenth is? (1)
- A. 9 348, 0
 - B. 9 347, 9
 - C. 9 347, 88
 - D. 9 348, 0
- 1.2 Give the value of the underlined digit in 2164,594? (1)
- A. Six Tens
 - B. Six Ten Thousands
 - C. Six hundredths
 - D. Six tenths

1.3 Write down the missing term in the sequence. 1; 4; 9; 16; ____; 36 (1)

- A. 25
- B. 30
- C. 28
- D. 20

1.4 Choose the factors of 36 from the following: (1)

- A. 2; 4; 6; 12; 18; 36
- B. 1; 2; 3; 4; 6; 9; 12; 18; 36
- C. 36; 72; 108; 144
- D. 36; 30; 24; 18; 12; 6

1.5 Which one is the lowest common multiple of 3; 4 and 5? (1)

- A. 12
- B. 20
- C. 30
- D. 60

1.6 Calculate: $-15 - 12 =$ (1)

- A. 3
- B. -27
- C. 3
- D. 27

1.7 108 Grade 5 learners watched the fashion show. The ratio of the number of girls to that of boys was 7:2. How many girls were there? (1)

- A. 54
- B. 84
- C. 9
- D. 24

1.8 Use the correct order of operations: $(7 + 11) \times 4 - 60 \div 12 =$ (1)

- A. 1
- B. 17
- C. -72
- D. 67

1.9 Increase R324,00 by 15%. What is the new total? (1)

- A. R339
- B. R372,60
- C. R245,50
- D. R48,60

1.10 The sum of the first four prime numbers is: (1)

- A. 10
- B. 17
- C. 11
- D. 16

1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10

QUESTION 2- Mental Maths

[7]

Read the questions and choose the correct answer and write the letter only.

2.1 $8^2 + \sqrt[3]{27}$

- a) 25
- b) 64
- c) 67
- d) 9

2.2 The 10th prime number is:

- a) 2
- b) 23
- c) 29
- d) 21

2.3 $5\frac{7}{8}$ written as a decimal fraction is:

- a) 5,7
- b) 5,875
- c) 5,78
- d) 0,87

2.4 $\frac{5}{12}$ of 840 is:

- a) 12
- b) 17
- c) 350
- d) 4200

2.5 Write 100 as a product of its prime factors.

- a) 20×5
- b) 2×50
- c) $5 \times 4 \times 5$
- d) $2 \times 2 \times 5 \times 5$

2.6 Simplify $\frac{180}{190}$ to its simplest form

- a) $\frac{18}{19}$
- b) $\frac{90}{95}$
- c) $\frac{36}{38}$
- d) $\frac{1}{2}$

2.7 6,350 written as a common fraction.

- a) $6\frac{350}{1000}$
- b) $6\frac{35}{100}$
- c) $6\frac{70}{50}$
- d) $6\frac{7}{20}$

Number	Answer
2.1	
2.2	
2.3	
2.4	
2.5	
2.6	
2.7	

QUESTION 3**[13]****Calculate the following:**

3. 1 a) The Sum of an integer and its additive inverse is _____

b) $-22 - 44 =$ _____

c) $-36 \div (\text{_____}) = -9$

d) $45 - 62 =$ _____

e) $(-6) \times (-7) =$ _____

(5)3.2 a) $(12^2 - 3^3) \div (3)^2$ **(3)**

b) $6^2 + \sqrt{25} - \sqrt[3]{216}$

(2)

3.3 Fill in the blanks:

a) $37 \times 19 = 37 \times 10 + 37 \times \underline{\hspace{2cm}}$ (1)

b) $8 \div 0 = \underline{\hspace{2cm}}$ (1)

c) $1987 \div 1 = \underline{\hspace{2cm}}$ (1)

QUESTION 4

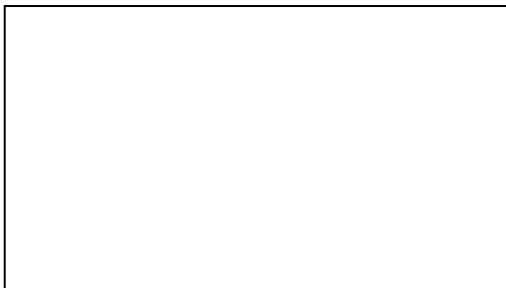
[7]

Calculate the following fractions:

4.1 $4\frac{7}{9} - 3\frac{1}{2}$ (2)



4.2 $1\frac{5}{6} \times 3\frac{3}{4}$ (2)



4.3 $5\frac{2}{3} + 1\frac{3}{5} \times 1\frac{1}{3}$ (3)



QUESTION 5**[8]****Calculate the following decimals.**

5.1 $235,13 - 147,348 + 79,86$

(2)

5.2 $4,26 \times 7,3$

(3)

5.3 $7,8 \div 1,2$

(3)

QUESTION 6.**Write down the next term in the following sequence.****[5]**

6.1 Write down the next term in the sequence:

(1)

Term (n)	1	2	3	4	5
Nth term	5	8	11	14	_____

6.2 Determine the general rule for the sequence. (1)

6.3 Use the rule and find the 50th term. (1)

6.4 If the n th term is 98. Which term is it? (2)

TOTAL: 50

TOM NEWBY

PERFORMANCE ANALYSIS**Grade 7 Mathematics****June Test 2022****(For teacher use only)**

QUESTION	1	2	3	4	5	6	TOTAL
Possible mark	10	7	13	7	8	5	50
Learner's mark							
Moderator's mark							