



**TOM NEWBY SCHOOL**  
**TERM 2 CONTROLLED TEST**

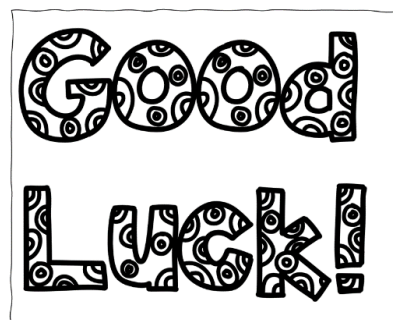
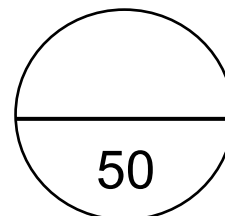
<b>Subject</b>	<b>Mathematics</b>	<b>Examiner</b>	<b>Miss Seedat/ Mrs Davies</b>
<b>Date</b>	<b>June 2024</b>	<b>Total marks</b>	<b>50 marks</b>
<b>Grade</b>	<b>5</b>	<b>Duration</b>	<b>1 hour</b>
		<b>Moderator</b>	<b>Mrs Fourie</b>

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.

Name and Surname: \_\_\_\_\_ Grade: 5 \_\_\_\_\_

**Instructions:**

1. This paper consists of 6 questions.
2. Read all the questions carefully.
3. Answer ALL the questions on this question sheet.
4. Use a blue pen for all your answers.
5. You may highlight keywords in your question.
6. Show all working out.
7. Correct mistakes with a pencil and a ruler.
8. Do not rush.
9. Do not leave any answers blank.
10. Write neatly.
11. Good luck!



**QUESTION 1 MENTAL MATHS [10]**

**Circle the correct letter for each answer.**

- 1.1  $65 + 32 = 32 + 65$  is an example of which property?
- a. Associative property
  - b. Commutative property
  - c. Neither
  - d. Both

(1)

1.2  $32\,562 \times 0 =$

- a. 32 562
- b. 0
- c. 325 620
- d. 3 256

(1)

1.3 In the number 254 678 the place value of the 7 is:

- a. 70
- b. 7T
- c. 7
- d. 7H

(1)

1.4 The product of 100 and 10 is:

- a. 110
- b. 1 000
- c. 10
- d. 1

(1)

1.5 The quotient of 300 and 60 is:

- a. 20
- b. 50
- c. 5
- d. 360

(1)

1.6 123 576 rounded off to the nearest 100:

- a. 123 500
- b. 123 600
- c. 123 580
- d. 124 000

(1)

1.7 What number is represented by  $500\,000 + 20\,000 + 3\,000 + 600 + 90 + 2$ ?

- a. 523 692
- b. 253 692
- c. 526 392
- d. 352 692

(1)

1.8 Which number is NOT a factor of 30?

- a. 6
- b. 5
- c. 4
- d. 3

(1)

1.9 Which number is a multiple of 8?

- a. 2
- b. 4
- c. 10
- d. 16

(1)

1.10 Give the next number to the pattern 60; 120; 180; 240;\_\_\_\_\_.

- a. 300
- b. 360
- c. 480
- d. 330

(1)

**QUESTION 2; BASIC OPERATIONS [14]**

**Calculate:**

2.1  $34\ 765 + 35\ 876 = y$

(2)


2.2 Use the inverse operation to check your answer in 2.1.

(2)


2.3  $56\,210 - 23\,178 = y$

(2)


2.4  $35 \times 98 = y$

(2)



2.5  $254 \times 59 = y$

(3)



2.6  $520 \div 8 = y$

(2)

2.7  $543 \div 14 = y$

(3)

**QUESTION 3 – ROUNDING OFF [3]**

3.1. Round off 35 732 to the nearest:

(1)

100  $\approx$  \_\_\_\_\_

3.2. Round off 87 543 to the nearest:

(1)

1 000  $\approx$  \_\_\_\_\_

3.3. Round off 97 599 to the nearest:

(1)

10  $\approx$  \_\_\_\_\_

### QUESTION 4 – NUMERIC PATTERNS [10]

4.1. Complete the table. (4)

Input	1		4		8	9
Output	20	40	80	120		

4.2. Complete the number patterns.

- a. 6 540; 5 540; 4 540; \_\_\_\_\_; \_\_\_\_\_ (1)
- b. 40; 80; 160; \_\_\_\_\_; \_\_\_\_\_ (1)
- c. 1 000; 985; 965; \_\_\_\_\_; \_\_\_\_\_ (1)

4.3. Complete the flow diagrams.

a.

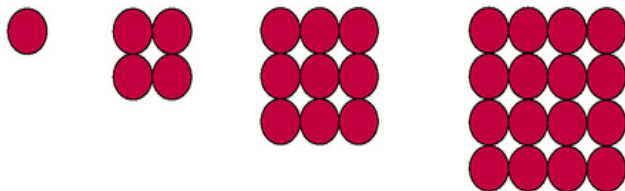
<u>Input</u>	<u>Rule</u>	<u>Output</u>
45		450
768		7 680
33 254	(1)	332 540

b.

<u>Input</u>	<u>Rule</u>	<u>Output</u>
5		24
(1)	+ 7	100
193	X 2	(1)

### QUESTION 5 – GEOMETRIC PATTERNS [5]

5.1. Draw the next pattern. (1)



5.2. Use the pattern above to complete the table.

(4)

Input	1	2	3	4	5		10
Output	1	4	9			36	

### QUESTION 6 – WORD PROBLEMS [8]

6.1 Kagiso started working and made R34 628 in 2 months. How much money did he make in each month?

Open number sentence:

(1)

Calculation:



(1)

6.2 How many wheels will 45 quad bikes have?

Open number sentence:

(1)

Calculation:



(1)

6.3 Every month Tshiamo buys 156kg of flour to bake cakes with. How much flour does she buy in 26 months?

Open number sentence:

(1)

Calculation:



(1)

6.4 Miss Seedat bought 54 321 sweets and Mrs Davies bought 23 487 sweets. How many sweets did they buy altogether?

Open number sentence:

(1)

Calculation:



(1)

**Total: 50 marks**

**Grade 5 Maths**  
**Term 2 Formal Assessment**  
**Performance Analysis June 2024**  
 (For teacher use only)

Name and Surname: \_\_\_\_\_ Class: \_\_\_\_\_

<u>Question</u>	<u>Description</u>	<u>Possible mark</u>	<u>Learner' s mark</u>	<u>Moderated mark</u>
1	Mental maths	10		
2	Basic operations	14		
3	Rounding off	3		
4	Numeric patterns	10		
5	Geometric patterns	5		
6	Word problems	8		

<b>Total</b>		
<b>Possible mark</b>	<b>Learner's mark</b>	<b>Moderated mark</b>
50		