



**TOM NEWBY SCHOOL**  
**GRADE 5 MATHEMATICS**  
**JUNE 2021**



<b>Subject</b>	<b>MATHEMATICS</b>	<b>Examiner</b>	<b>MRS J OTTO</b>
<b>Date</b>	<b>JUNE 2021</b>	<b>Total marks</b>	<b><math>50 \div 2 = 25</math></b>
<b>Term</b>	<b>2</b>	<b>Duration</b>	<b>1 HOUR</b>
<b>Grade</b>	<b>5</b>	<b>Moderator</b>	<b>MRS M. FOURIE</b>
<b>Instructions</b>	<ol style="list-style-type: none"> <li>1. Read all the instructions carefully.</li> <li>2. All calculations must be shown on the question paper.</li> <li>3. Write neatly and legibly with a blue pen.</li> <li>4. The use of a calculator is not allowed.</li> </ol>		
<b>Name:</b>	<b>Surname:</b>		<b>Class:</b>

**Question 1: Multiple Choice [5]**

**Circle the letter of the correct answer.**

1.1 Which number is represented by?

$$(1 \times 4) + (8 \times 1\,000) + (9 \times 10) + (3 \times 10\,000)$$

- A 8 349
- B 38 094
- C 3 894
- D 83 049

(1)

1.2 Which number sentence is NOT true?

- A  $75 - 19 = 19 - 75$
- B  $18 + 34 = 34 + 18$
- C  $7 \times (20 + 2) = (7 \times 20) + (7 \times 2)$
- D  $60 \times 5 = 5 \times 60$

(1)

1.3 The product of sixty and six is .....

- A Ten
- B Three hundred
- C Fifty four
- D Three hundred and sixty

(1)

1.4 The odd numbers between 3 680 and 3 689 are...

- A) 3682; 3 684; 3 686; 3 688
- B) 3 681; 3 683; 3685; 3 687; 3 689
- C) 3 681; 3 683; 3 685; 3 687
- D) None of the above

(1)

1.5 Which number is double 7 385?

- A) 14 770
- B) 14 760
- C) 14 660
- D) 14 670

(1)

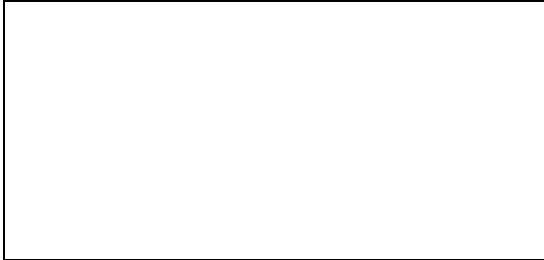
### **Question 2: Mental Maths [5]**

**Answer the following questions.**

- 2.1 9 100 is 10 times smaller than \_\_\_\_\_ (1)
- 2.2 How many twelves in 132? \_\_\_\_\_ (1)
- 2.3 Round off to the nearest 100: 69 849  $\approx$  \_\_\_\_\_ (1)
- 2.4 True or False: 6 is a multiple of 12 \_\_\_\_\_ (1)
- 2.5 Add fifty-six to the quotient of forty-eight and six \_\_\_\_\_ (1)

**Question 3: Basic Operations [14]****Calculate the answer in the space provided. You may use any method.****Show all your working out.**

3.1  $45\,678 + 29\,845$

**(2)**

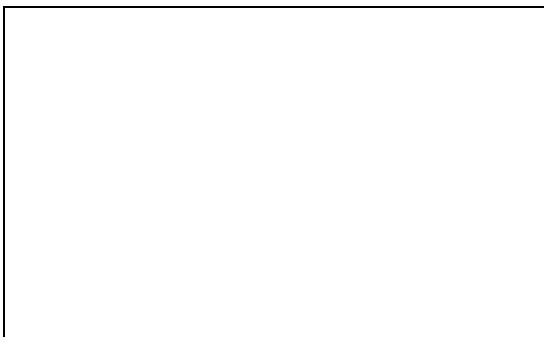
3.2  $53\,206 - 9\,748$

**(2)**

3.3  $81\,005 - 49\,327$

**(2)**

3.4  $263 \times 47$

**(3)**

3.5  $416 \div 6$  and test your answer by doing the inverse operation.

(3)

3.6  $630 \div 15$

(2)

**Question 4: Numeric Patterns [10]**

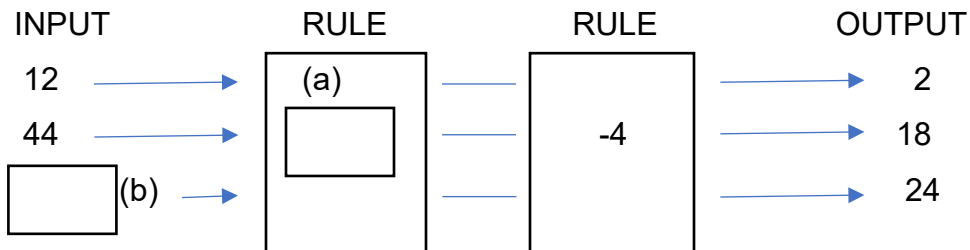
**Complete the following number patterns.**

4.1 a) 159 ; 155 ; 151 ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ (1)

b) 64 759 ; 64 859 ; 64 959 ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ (1)

c) 1 600 ; 800 ; 400 ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ (1)

4.2 **Complete the flow diagram**



(2)

4.3 **Complete the table**

Number of cars	Number of wheels
1	4
16	a) _____
b) _____	100

(2)

4.4 **Complete the table**

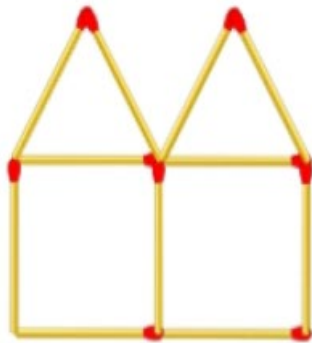
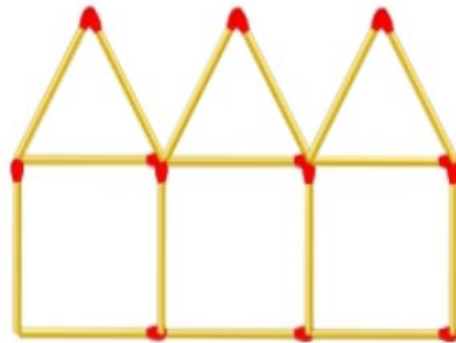
	21	56	14	70	84	630
$\div 7$	3		2	10		

(3)

**Question 5: Geometric Patterns [8]**

Look at the geometric patterns and then answer the questions that follow.

5.1

**Pattern 1****Pattern 2****Pattern 3**

a) How many matches must you add to build each pattern number?

\_\_\_\_\_



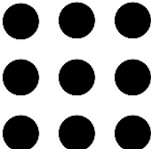
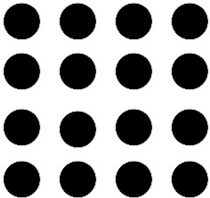
(1)

b) Complete the table.

Pattern number	1	2	3	10
Number of matches	6			

(3)

5.2

				
1	2	3	4	5

(1)

- a) Draw pattern number 5 in the space provided  
 b) Complete the table

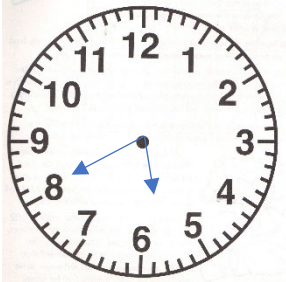
Pattern number	1	2	3	4	5	12
Number of dots	1	4	9			

(3)

**Question 6: Problem Solving [8]**

**Write a number sentence for each problem and then calculate the answer.**

6.1

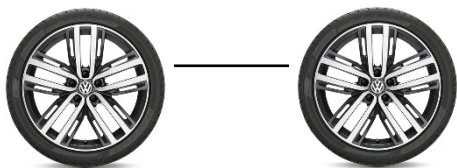


There are 24 hours in a day. How many hours are there in 69 days?

(3)

6.2 320 children visit the Game Park.

The school hires 8 buses.  
 How many children travel  
 in each bus?



(2)

6.3.

a. Each day Bongiwe walks 2km 25m and Petrus walks 1 km 750m to school. What is the total distance they walk to school each day? (Write your answer in km)



b. How much further does Bongiwe walk to school than Petrus? (Write your answer in m) (HINT: change the distances to meters only)

a)

b)

(2)

(1)

**TOTAL: 50**



**PERFORMANCE ANALYSIS**

## GRADE 5 MATHEMATICS

(For teacher use only)

NAME: \_\_\_\_\_ SURNAME: \_\_\_\_\_ CLASS: 5 \_\_\_\_\_

QUESTION	1	2	3	4	5	6	TOTAL
<b>DESCRIPTION</b>	<b>MULTIPLE CHOICE</b>	<b>MENTAL MATHS</b>	<b>BASIC OPERATIONS</b>	<b>NUMERIC PATTERNS</b>	<b>GEOMETRIC PATTERNS</b>	<b>PROBLEM SOLVING</b>	
Possible marks	5	5	14	10	8	8	50
Learner's mark							
Moderator's mark							