



## TOM NEWBY SCHOOL



### TERM 4 TEST

<b>Subject</b>	<b>Maths</b>	<b>Examiner</b>	<b>Ms Ratering, Mrs Singh, Mrs Fourie</b>
<b>Date</b>	<b>November 2021</b>	<b>Total marks</b>	<b>50 marks</b>
<b>Grade</b>	<b>6</b>	<b>Duration</b>	<b>1 hour</b>
		<b>Moderator</b>	<b>Mrs Fourie</b>
<b>Special instructions/ Equipment</b>	<p><b>Write as many details as possible.</b></p> <p><b>Read and answer ALL questions thoroughly.</b></p> <p><b>Write neatly and legibly in blue pen.</b></p> <p><b>Good luck! Think before you INK!</b></p> <p><b>Write all answers on the question sheet.</b></p>		
<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>			

#### **Instructions:**

1. This paper consists of 6 questions.
2. Answer all the questions on the question sheet.
3. Take note of the mark allocation per question.
4. Read carefully and answer all the questions neatly and legibly.

#### **Question 1: Mental Maths [10]**

- 1.1 What is the sum of 200, 300, 150 and 250? \_\_\_\_\_ (1)
- 1.2 Besides 1, what is the smallest number to divide into 57? \_\_\_\_\_ (1)

1.3 Use BODMAS to solve  $5+4 \times 6 =$  \_\_\_\_\_ (1)

1.4 Write as one number:  $(4 \times 100\,000) + (3 \times 10\,000) + (900) + (7 \text{ tens}) + (5)$   
 \_\_\_\_\_ (1)

1.5 Fill in brackets in the correct place to make this true:  $2+5 \times 9-4=27$ . Remember to use BODMAS. \_\_\_\_\_ (1)

1.6 What is the difference between 100 000 and 65 000? \_\_\_\_\_ (1)

1.7  $24\,367 \times$  \_\_\_\_\_  $= 24\,367$  \_\_\_\_\_ (1)

1.8  $\frac{4}{5}$  of 5 = \_\_\_\_\_ (1)

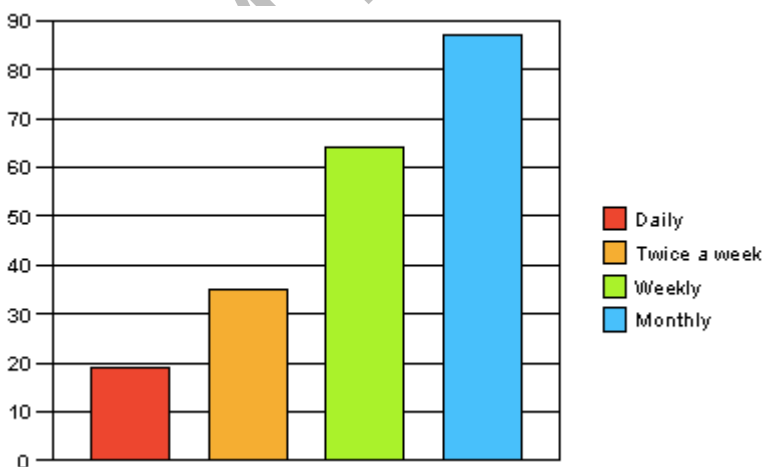
1.9 Write this number in digits: Two hundred and eighty three thousand, one hundred and sixty four. \_\_\_\_\_ (1)

1.10 If 2 ;5 and 10 become 6; 12 and 22 respectively, what is the rule?  
 \_\_\_\_\_ (1)

### **Question 2: Data [9]**

Use the bar graph below to answer the questions that follow.

The graph represents how often the Grade 6 pupils at Tom Newby do all their homework on a given day.



2.1 How many children are in the habit of doing homework daily? \_\_\_\_\_ (1)

2.2 Give a possible reason for the large number who only do homework monthly.

\_\_\_\_\_ (1)

2.3 How many children do homework twice a week? \_\_\_\_\_ (1)

2.4 If a bar is half way between 2 numbers, what does it represent? \_\_\_\_\_ (1)

2.5 In a perfect world what should this graph look like?

\_\_\_\_\_ (1)

2.6 Here are the shoe sizes of 7 of the grade 6 learners:

6 5 6 4 5 6 9 2

2.7 Order the numbers: \_\_\_\_\_ (1)

2.8 The mode is: \_\_\_\_\_ (1)

2.9 The median is: \_\_\_\_\_ (1)

2.10 The range is: \_\_\_\_\_ (1)

**Question 3: Time [8]**



3.1 What time is showing on this clock? Write the time in 12 hour clock time and 24 hour clock time. \_\_\_\_\_ (2)

3.2 How much longer is it till 12? \_\_\_\_\_ (1)

3.3 Calculate: 7d 3h – 3d 12h

(2)



3.4 4d = \_\_\_\_\_h

(1)

3.5 1½ y = \_\_\_\_\_month

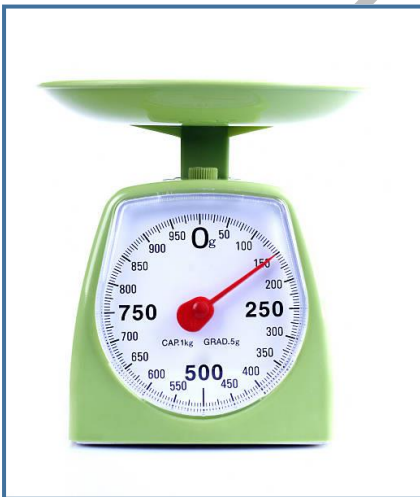
(1)

3.6 If you start your homework at 3:15 pm and take one and a half hours to complete it. At what time do you finish? \_\_\_\_\_

(1)

**Question 4: Mass [8]**

4.1 What mass is indicated on the scale? Answer in grams. \_\_\_\_\_(1)



4.2 A cable car can carry up to 1 000kg. If the average human weighs 70kg, how many people can a cable car carry? \_\_\_\_\_ (2)

4.3 Calculate:  $500\text{kg} - (90\text{kg} \times 4) =$

(2)



4.4  $3,542\text{kg} =$  \_\_\_\_\_g

(1)

4.5  $2\frac{1}{2}\text{t} =$  \_\_\_\_\_kg

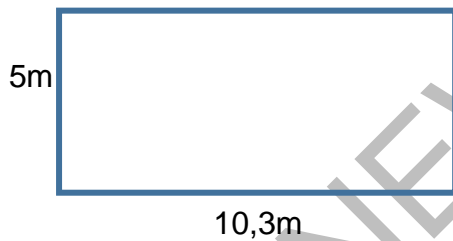
(1)

4.6  $4\,068\text{g} =$  \_\_\_\_\_kg

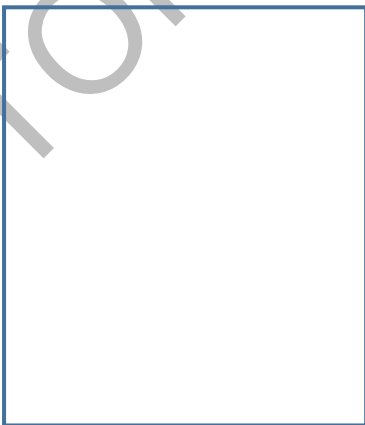
(1)

**Question 5: Perimeter, Area and Volume [6]**

5. Work out the perimeter and the area of this shape:



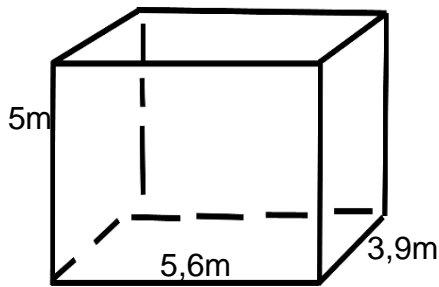
5.1 Perimeter: (2)



5.2 Area: (2)



5.3 Work out the volume of this shape:



(2)



**Question 6: Problem Solving [9]**

6.1 There are 5 people in a room. If they all hug each other, how many hugs are given?

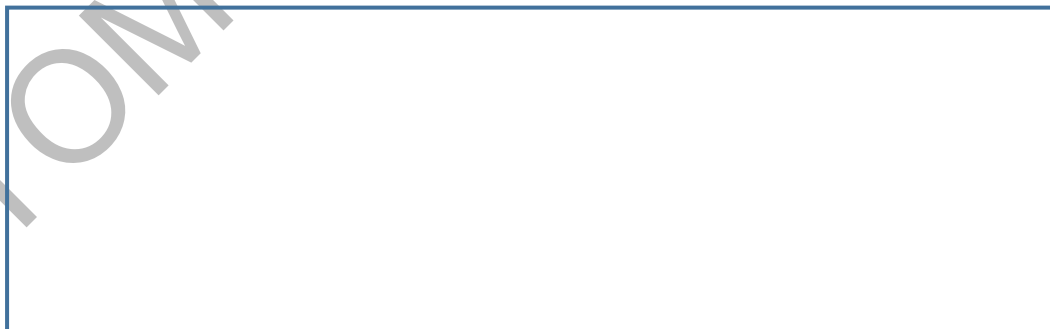
\_\_\_\_\_ (1)

6.2 What do we call these numbers: 11; 13; 17; 19; 23; 29; 31? \_\_\_\_\_ (1)

6.3 You buy 10 2 litre cooldrinks and 15 1,5 litre cooldrinks. How many people can have a 250 ml glass of cooldrink? (3)



6.4 I want to build a 30m long fence with poles 5m apart. How many poles will I need? (2)



6.5 John is 5 years old and his brother, Peter, is 10 years old.

How old will John be when Peter is 20? \_\_\_\_\_ (2)

**Total: 50**

## Grade 6 Maths Test

November 2021

## Performance Analysis

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

For teacher use only:

Question	1	2	3	4	5	6
Possible mark	10	9	8	8	6	9
Learner's mark						
Moderated mark						

Possible total	50
Learner's total	
Moderated total	