TOM NEWBY SCHOOL EXAMINATION

Subject	MATHEMATICS	Examiner	MRS VAN SCHALKWYK/ MRS VISSER
Date	11 JUNE 2018	Total marks	50
Session	1	Duration	1½ HOURS
Grade	4	Moderator	MRS. M. FOURIE

Special instructions/ Equipment	1. **Read each question twice carefully.** 2. **Write all numbers clearly and neatly.** 3. **Show all your calculations.** **Highlight important words in questions to help you.** 4. **Check your work.** 5. **Good luck!!**

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:	Surname:	Class:

SECTION A   MENTAL MATHS

Underline the correct answer.

1. Four thousand and five is written as:

   (4 050, 4 500, 4 005, 4 055) **(1)**

2. The 2nd multiple of 15 is:

   (15, 30, 45, 17) **(1)**

3. 14:45 is read correctly as:

   (quarter to two, forty-five minutes past two, quarter past two, quarter to three) **(1)**

4. The answer to (4 x 25) ÷ 5 = a is:

   (20, 25, 50, 100) **(1)**

5. The smallest odd number is:

   (2 409, 2 049, 4 910, 4 091) **(1)**

6. The correct number sentence for, Peter saves R200 for 6 months is:

   (200 x 6 = R1 200, 6 + R200 = R206, 6 x R200 = R1 200, R200 x 6 = R800) **(1)**

7. 45 minutes is the same as:

   (½ hour, ¾ hour, 1 hour, 1½ hours) **(1)**

8. This shape ▶ is called an irregular (heptagon, hexagon, octagon, pentagon) because

   it has (5, 6, 7, 8) straight sides. **(1)**

9. The difference between 75 and 200 is:
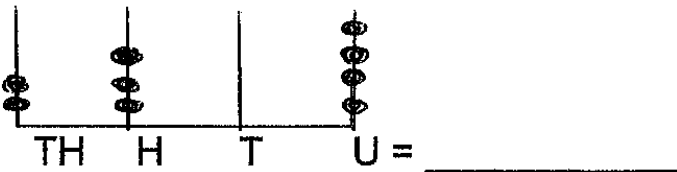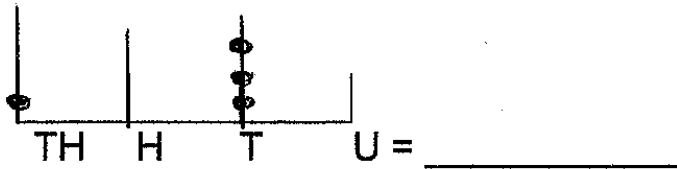
   (275, 125, 175, 150) **(1)**

SECTION B   **WHOLE NUMBERS**

QUESTION 1

Write the numbers formed by:

200 + 4 + 6 000 + 80 = _____   **(1)**

(5 x1) + (7 x 100) + (1 x 10) + (3 x 1 000) = _____   **(1)**

TH   H   T   U = _____

TH   H   T   U = _____
                                                                                   (1)

QUESTION 2

Complete the number patterns:

5 005, 5 010, 5 015, _____, _____   **(1)**

2 500, 2 475, 2 450, _____, _____   **(1)**
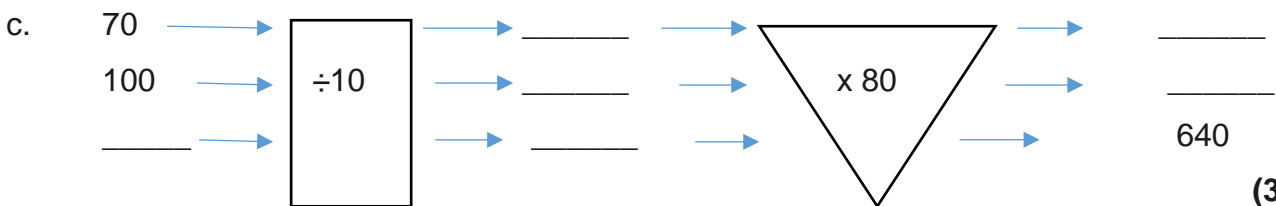
998, _____, _____, 1 004, 1 006.   **(1)**

1 902, 1 892, _____, _____, 1 862   **(1)**

QUESTION 3

Complete the table and flow chart below carefully:

	Start here then	Add on 250	Halve your answer	Round off to the nearest 100
a.	1 500			
b.	3 800			

                                                                                   (3)

c.   70 ⟶ [÷10] ⟶ _____ ⟶ [x 80] ⟶ _____

     100 ⟶ [÷10] ⟶ _____ ⟶ [x 80] ⟶ _____

     _____ ⟶ [÷10] ⟶ _____ ⟶ [x 80] ⟶ 640

                                                                                   (3)

QUESTION 4

Calculate the answers. Please show all you steps. You may use any method.

5 612 + 2 398 = a

_____

_____

_____

_____ **(2)**

7 985 – 3 497 = b

_____

_____

_____

_____ **(2)**

362 x 8 = c

_____

_____

_____

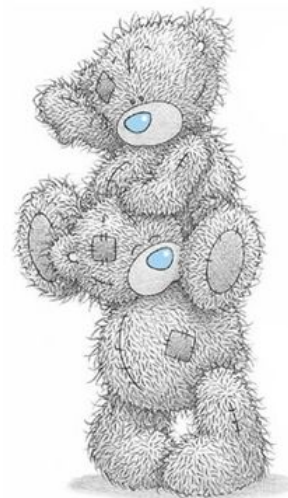_____ **(2)**

18 x 29 = d

_____

_____

_____

_____

_____

_____ **(3)**

QUESTION 5

Problem solving. Please show your open number sentence.

The Grade 4's collected R375 in January, R420 in February and R502 in March for the SPCA. How much money did they donate to the SPCA to look after all their animals?
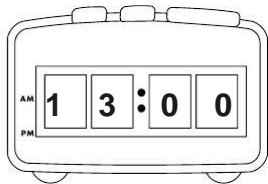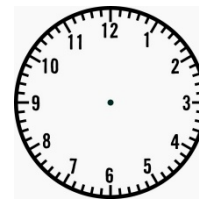
_____

_____

_____

_____

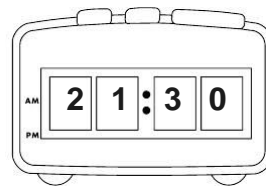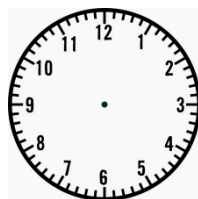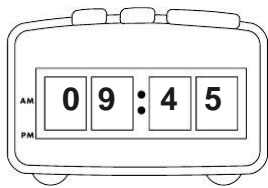_____

_____ **(2)**

TOTAL : 33

SECTION C   **TIME**

QUESTION 1

Read the time on the digital watches and then draw their analogue times on the watches next to them:
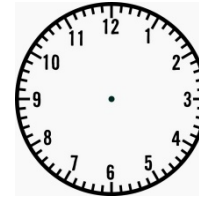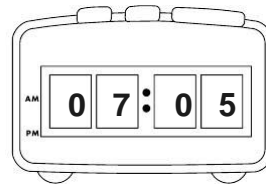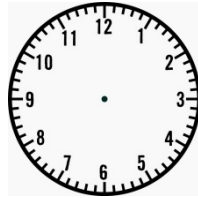
| 1 3 : 0 0 | (clock) | 0 7 : 0 5 | (clock) **(1)** |

| 0 9 : 4 5 | (clock) | 2 1 : 3 0 | (clock) **(1)** |

QUESTION 2

Study the TV guide below and answer the questions which follow:

Time	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00
Channel 1	News	Movie: Lion King	The History of Gold	National Geographic – The sea
Channel 2	Happy Families	Fun factory	Funny pets	The Big Bang Theory
Channel 3	Cricket SA vs India	Soccer finals	African Olympic games	Rugby – Lions vs Blue Bulls

a. Are these programmes shown in the morning, afternoon or evening?

_____

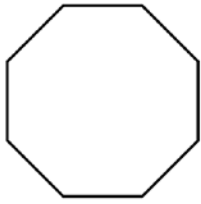b. What time is Funny pets shown?

_____   **(1)**

c. How long is the soccer finals programme?

_____

d. If Rebecca loved watching TV and she watched Happy families, then the Lion king and then the African Olympic games, how long did she watch television for?

_____   **(1)**

SECTION D   **GEOMETRY**

QUESTION 1

Name the shapes below and say if they are irregular or regular:

_____   _____   _____

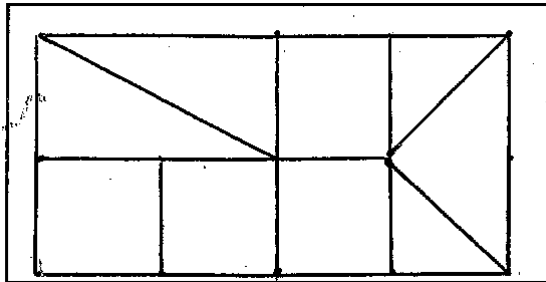_____ **(1)**   _____ **(1)**   _____ **(1)**

QUESTION 2

Say how many triangles, squares and rectangles you can find in the picture below.

**Use different colours to help you draw around the shapes.**

(2)

There are _____ triangles, _____ squares and _____ rectangles.

SECTION E   **DATA HANDLING**

QUESTION 1

Mrs Delicious from Tasty Treats Coffee Shop recorded which desserts are enjoyed the most in her shop. Complete the Tally Table to work it out.

Dessert	Tally	Total
Caramel swirl	~~1111~~ ~~1111~~ 11	
Lemon Meringue	~~1111~~ ~~1111~~ ~~1111~~	
Apple tart and ice-cream	~~1111~~ 1111	
Chocolate mousse	~~1111~~ ~~1111~~ ~~1111~~ ~~1111~~	

(2)
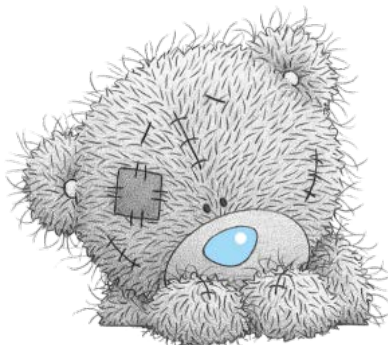
QUESTION 2

Draw (show) this data into a pictograph. Your key must be one picture = 2 desserts.

Eg   = 2 chocolate mousse.

Heading: _____   Key _____ = _____

Caramel Swirl	
Lemon Meringue	
Apple pie and ice-cream	
Chocolate mousse	

(2)

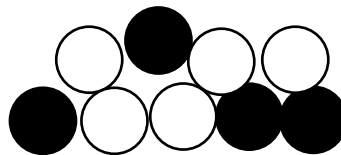## SECTION F   FRACTIONS

QUESTION 1

Say what fraction is coloured in:

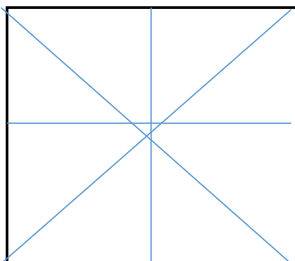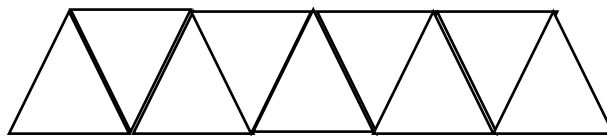_____   _____ (1)

QUESTION 2

Colour in the fractions given:

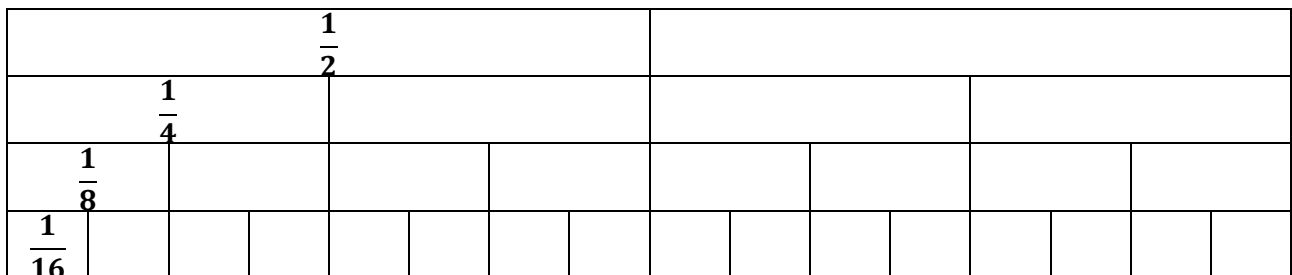$\frac{5}{8}$ $\frac{4}{9}$

(1)

QUESTION 3

Compare the fractions using the fractions wall. Fill in >, < or =

$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{8}$

$\frac{1}{16}$

$\frac{1}{2}$	☐	$\frac{2}{4}$	$\frac{5}{8}$	☐	$\frac{1}{2}$	$\frac{10}{16}$	☐	$\frac{7}{8}$	$\frac{2}{16}$	☐	$\frac{2}{4}$

(2)