

**TOM NEWBY SCHOOL EXAMINATION**

Subject	MATHS	Examiner	MRS VAN SCHALKWYK/ MRS GROVES
Date	10 JUNE 2015	Total marks	75
Session	1	Duration	1½ HOURS
Grade	4	Moderator	MRS M FOURIE
Special instructions/ Equipment			

This Maths Exam has been compiled using notes and information contained in the Tom Newby School book. 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. Up to 10% of the total mark allocation may be deducted for spelling and grammatical errors, except in the case of Language papers, where deductions are made according to a memorandum.

Name: _____ Grade: 4 _____

INSTRUCTIONS:

- 1) Read each question carefully. (TWICE)
- 2) Show all calculations.
- 3) Write neatly and clearly.
- 4) Check your work when you are finished.
- 5) Good Luck!

SECTION A**WHOLE NUMBERS****QUESTION 1**

Calculate (work-out) and fill in the answers.

- a. Give the next even number after 1 959 1960
- b. What is the number value of the underlined digit in 4 612? 10
- c. Round off 8 952 to the nearest 100. 9 000
- d. The total of 925 and 105 is 1 030
- e. Write in words 5 019. Five thousand and nineteen
- f. What is the difference between 450 and 875? 425
- g. $(8 \times 9) \times 10 =$ 720 $\times 1$
- h. Double the number 4 394 is 8 788
- i. Half of 6 528 is 3 264
- j. If you start with 20, multiply it by 3, subtract 15 from your answer and then add 26, what number would you get?
71

(10)

QUESTION 2

Fill in >, < or =

1) $(4 \times 25) \times 4$ $>$ 150×2

4) 2hrs $<$ 180min

2) 2 598 $<$ 2TH+9U+9T+5H

5) $\frac{1}{2}$ a dozen $<$ 12

3) $1\ 000 \div 200$ $=$ 1×5

6) 6 weeks $>$ 40 days

(3)

QUESTION 3

Write a number sentence (calculation) and answer for each sentence below:

a) Decrease 1 466 by 204

$1\ 466 - 204 = 1\ 262$

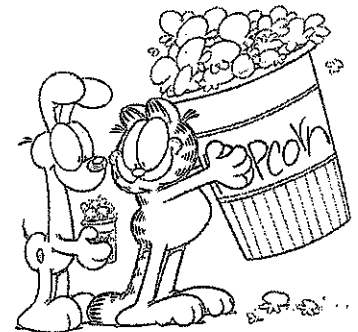
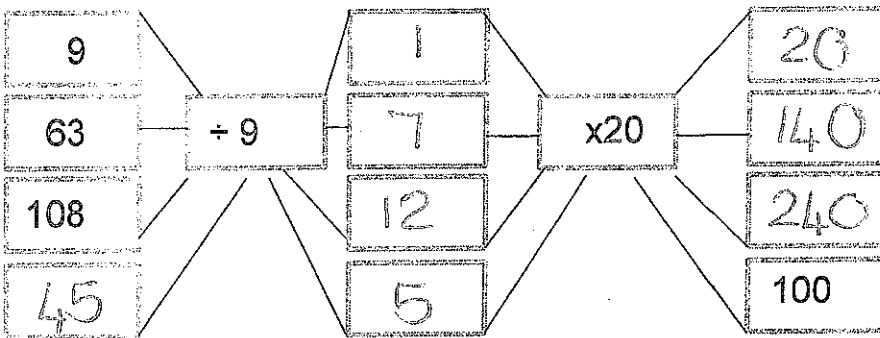
b) Round off the numbers to the nearest 1 000 and estimate the sum of 2 465 and 3 949.

$2\ 000 + 4\ 000 = 6\ 000$

(4)

QUESTION 4

Complete the spider diagram below.



(8)

QUESTION 5

Calculate the answer. SHOW ALL YOUR STEPS to the METHODS you use.

a. $4\ 956 + 3\ 647 = a$

$$\begin{array}{r} 4\ 956 \\ + 3\ 647 \\ \hline 8\ 603 \end{array}$$

(2)

b. $8\ 070 - 6\ 165 = b$

$$\begin{array}{r} 8\ 070 \\ - 6\ 165 \\ \hline 1\ 905 \end{array}$$

(2)

c. $495 \times 9 = c$

$$\begin{array}{r} 400 \times 9 = 3600 \\ 90 \times 9 = 810 \\ 5 \times 9 = + 45 \\ \hline 4455 \end{array}$$

(2)

d. $47 \times 23 = d$

$$\begin{array}{r} (40+7) \times (20+3) \\ = (40 \times 20) + (40 \times 3) + \\ (7 \times 20) + (7 \times 3) \\ = 800 + 120 + 140 + 21 \\ = \end{array}$$

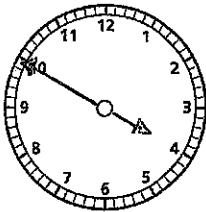
(3)

(34)

SECTION B**TIME****QUESTION 1**

Write the times shown on the clocks below:

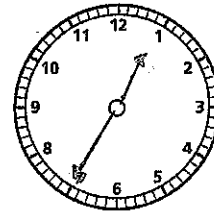
a.

Ten to four

b.

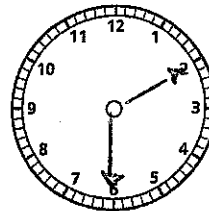
Quarter past nine

c.

Twenty-five to one

(3)

d. Draw the digital and analogue time for half past two (p.m)



(2)

QUESTION 2

Calculate:

a. John works 6 days a week, 9 hours each day. How many hours does he work per week? $6 \times 9 = 54$ hrs

(1)

b. If it takes Mbali 30 minutes everyday to do her homework. How much time does she spend doing her homework during a school week?

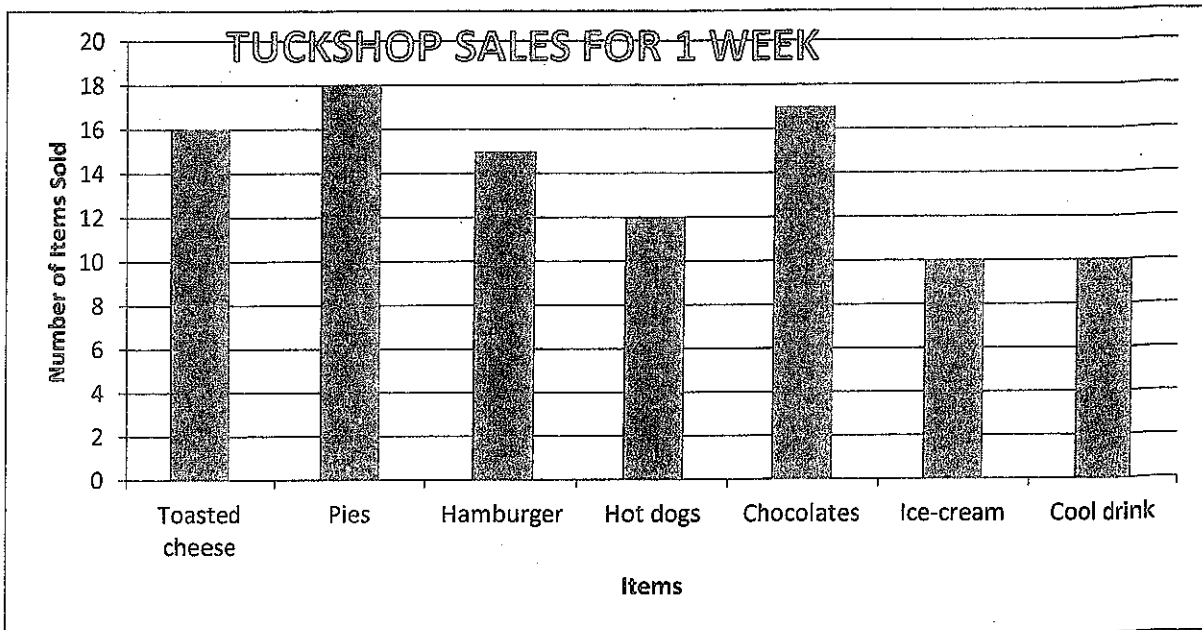
$30 \times 5 = 150$ min.

(1)

(7)

SECTION CDATA AND GRAPHS

This graph shows what is sold at our TUCKSHOP every week.
Study the graph carefully and then answer the questions.

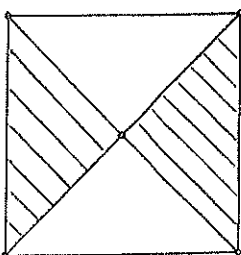


- Which food was the most popular? (liked the most) Pies (1)
 - How many hamburgers were sold? 15 (1)
 - If the chocolates cost R5 each. How much money was made at the tuckshop selling chocolates? $17 \times R5 = R85$ (2)
 - Do you think the weather was hot or cold? Cold (1)
 - Why do you say that? More hot food sold / less cold things bought. (1)
 - What is the total number of hot foods sold? $16 + 18 + 15 + 12 = 61$ (2)
- (8)

SECTION DFRACTIONS

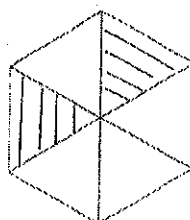
1. Write the fraction coloured in:

a.

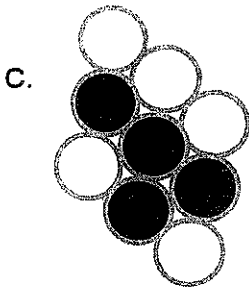


$$\frac{2}{4}$$

b.



$$\frac{2}{6}$$

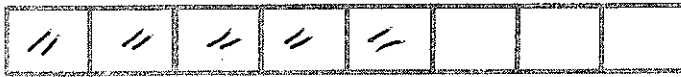


$$\frac{4}{9}$$

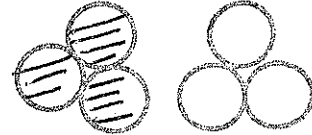


(3)

2. Colour the following fractions in:



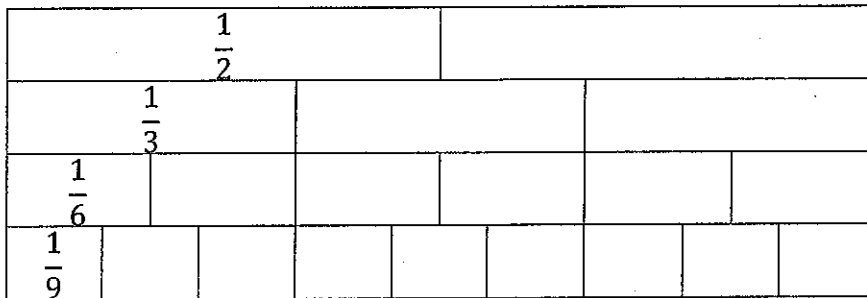
$\frac{5}{8}$



$\frac{1}{3}$

(2)

3. Compare the fractions using the FRACTION WALL. Then do the activities which follow.



a) Fill in >, < or =

$\frac{1}{2} > \frac{1}{3}$

$\frac{2}{6} = \frac{1}{3}$

$\frac{4}{9} > \frac{2}{6}$

$\frac{2}{3} < \frac{5}{6}$

$\frac{9}{9} > \frac{2}{3}$

$\frac{6}{9} = \frac{4}{6}$

(6)

b) Arrange the fractions from smallest to biggest.

$$\frac{1}{2}, \frac{4}{9}, \frac{6}{6}, \frac{2}{3} \quad \frac{4}{9} \quad \frac{1}{2} \quad \frac{2}{3} \quad \frac{6}{6}$$

(1)

c) Calculate:

$$\frac{1}{6} + \frac{2}{6} = \frac{3}{6}$$

$$\frac{5}{9} + \frac{2}{9} = \frac{7}{9}$$

(2)

(14)

SECTION EPROBLEM SOLVING

Remember to show an open number sentence and calculation for each story sum.

1. If each Grade 4 class collected 350 tins of food for the poor, how many tins of food did the 5 classes collect altogether?

$$350 \times 5 = t$$

300 × 5 = 1500
50 × 5 = 250
1750

2
350
× 5
1750

(3)

2. The farmer had 4 625 cattle. He sold 2 916 cattle. How many cattle are left?

$$4\ 625 - 2\ 916 = c$$

4 625 → 4 000 + 1600 + 20 + 15
- 2 916 → 2 000 + 900 + 10 + 6
1 709 1 000 + 700 + 0 + 9

(3)

(6)



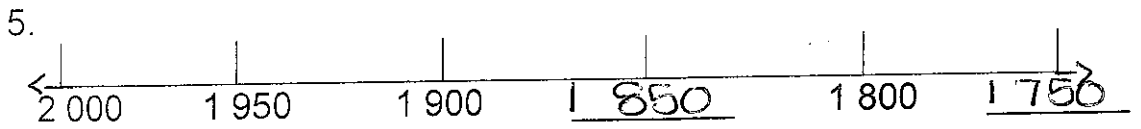
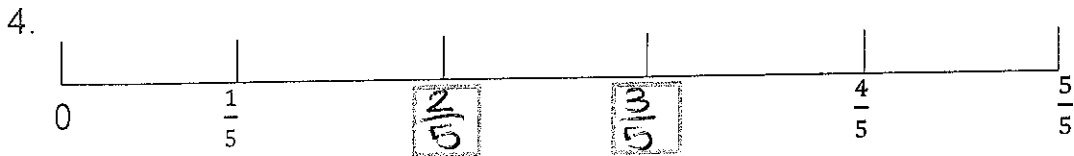
SECTION F**NUMBER PATTERNS**

Complete the patterns below:

1. 2 025, 2 050, 2 075, 2 100, 2 125

2. 6 805, 6 605, 6 405, 6 205, 6 005

3. 1 555, 1 566, 1 577, 1 588, 1 599



6.

5	10	12	24	26	52	54
x2	x2	x2	x2	x2		

(1/2 each = 6)

ALL DONE! NOW GO THROUGH AND CHECK
YOUR WORK!

