



Noah's Ark Independent Primary School

Subject: Mathematics	Examiner: Rwizi, A
Type: Mid-Year Examination	Moderator: Böhmer, MA
Date:	Grade: 5-___
Marks: 80 Marks	Time: 2 hours

Name: _____

Instructions

This question paper consists of 5 sections.

Answer ALL the questions in the spaces provided.

Show ALL your calculations where necessary.

Write neatly and legibly.

Section A: Number, Operations and Relationships.

Question 1

Circle the correct letter. (5)

1.1 The value of the underlined digit is: 93/ 321.

- a. 3Hth b. 30 000 c. 3 000 d. Ten Thousand

1.2 Replace the symbol $*$ with two of the following operators: \div ; \times ;
 $-$; $+$ to make the number sentence below true.

$$8 * 8 * 2 = 14$$

- a. \times and \div b. \div and $-$ c. $+$ and $-$ d. $-$ and $+$

1.3 Which of the following numbers is both divisible by 2 and 3?

- a. 63 b. 42 c. 15 d. 21

1.4 The third factor of 12 is _____

- a. 5 b. 2 c. 3 d. 4

1.5 Half of $\frac{1}{2}$ is _____

a. $\frac{1}{3}$

b. $\frac{1}{4}$

c. $\frac{2}{4}$

d. $\frac{2}{1}$

Question 2

2.1 Write down all the factors of 13 (2)

2.2 Rio is thinking of a number. "Half my number is 8" What is Rio's number? (1)

2.3 The place value of the number 5 in 47 583 is: (1)

2.4 6 395 to the nearest 100 is _____ (1)

2.5 Define the term "multiple" (1)

2.6 Fill in >, < or = (3)

a. 76 138 76 831

b. $\frac{4}{8}$ $\frac{1}{2}$

c. 90 000 + 6 312 96 213

2.7 Mrs Johns wrote out the following cheques but did not complete the information. Write down the amount in words on Cheque A and the correct digits for cheque B.

Cheque A

(1)

15/06/2018	
Pay Leema Restaurant	
The amount of _____	R 17 412

rands only.	

Cheque B

(1)

15/06/2018	
Pay Bob Business	
The amount of <u>Thirty-one thousand, eight hundred and fifty- seven rands only.</u>	R _____

Question 3

Calculate the answer for 3.1 to 3.6

3.1 $9\ 000 + 18\ 521 + 178$	3.2 $98\ 764 - 12\ 088$
(3)	(2)

<p>3.3 654×76</p> <p style="text-align: right;">(3)</p>	<p>3.4 $736 \div 8$</p> <p style="text-align: right;">(3)</p>
<p>3.5 $\frac{1}{3}$ of R27</p> <p style="text-align: right;">(2)</p>	<p>3.6 $\frac{4}{6} + \frac{5}{6}$</p> <p style="text-align: right;">(2)</p>

3.7 The Khan family uses $\frac{1}{5}$ L of milk for each of the six bowls of porridge they have in the morning.

a. How much milk do they use each morning? (3)

b. How much milk do they use for porridge in 5 days? (2)

3.8 Mr Rwizi bought air tickets for 4 members of his family at R5 500 each. How much did the 4 tickets cost altogether? (2)

_____ / 38 Marks (Section A)




Section B: Patterns, functions and Algebra

Question 4

4.1 Fill in the missing numbers in the following number pattern.

1 000; ; ; 850; 800. (2)

4.2 Use the pattern below to answer the following questions.

			
Pattern 1	Pattern 2	Pattern 3	Pattern 4

a. How many squares will be needed to make the 10th shape in the pattern above?..... (1)

b. Draw pattern 4 in the spaced provided above. (2)

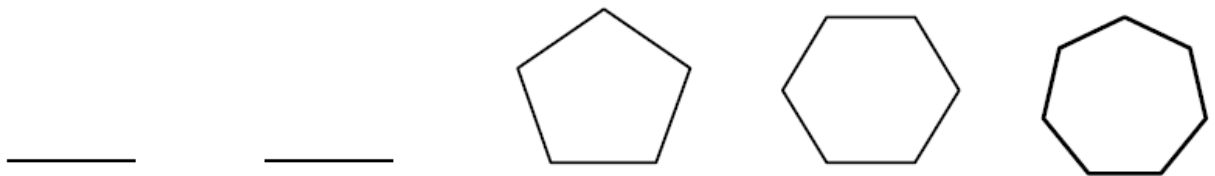
4.3 Write an open number sentence for the following sum:

- a. The sum of 4 numbers is 20 500. Three of the numbers are 2 341, 578, and 10 690.

----- (1)

- b. What is the fourth number? (1)

4.4 Add the first two shapes to complete the diagram (2)



----- / 9 Marks (Section B)

Section C: Measurement

Question 5

5.1 Draw a straight line that measures 67mm in the space below. (1)

5.2 How many pieces of 50cm long string does Tinasne need to make 5m? Clearly show your working. (3)

5.3 Convert 6 m 45cm to centimetres. Clearly show your working. (2)

5.4 Complete the sentence.

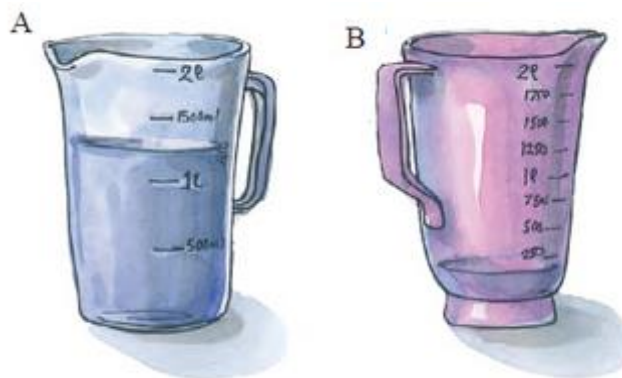
There _____ minutes in 180 seconds. (1)

5.5 Distinguish between capacity and volume. (2)

5.6 Mr Buffalo goes to work every morning at quarter past seven in the morning.

Rewrite the above time in digits as 24-hour clock time. (1)

5.7 What volume of liquid is in each of these jugs? (2)



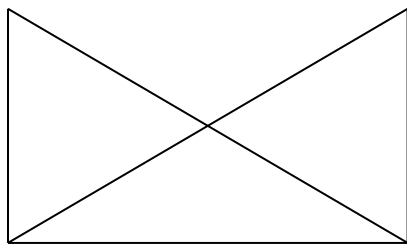
Jug	Volume
Jug A	
Jug B	

Section D: Space and shape

Question 6

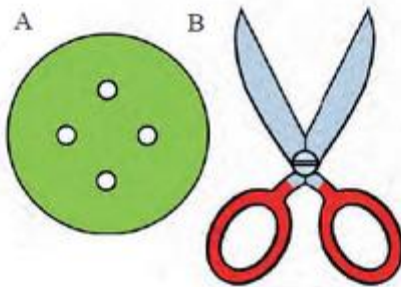
b.1 How many sides does a heptagon have? _____ (1)

b.2 How many triangles can you see in the construction below? $(1\frac{1}{2})$



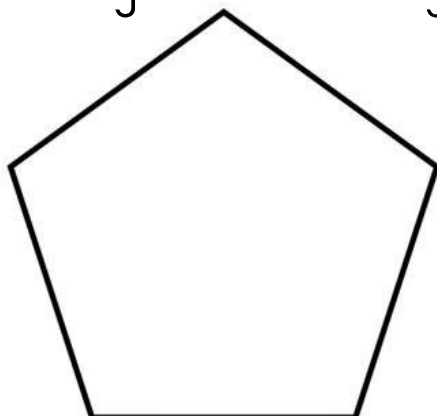
b.3 Differentiate between a triangle and a quadrilateral. (2)

b.4 How many lines of symmetry are there in each picture? (2)




a. _____ b. _____

b.5 Draw lines of symmetry on the following shape. $(2\frac{1}{2})$



6.6 Complete the table.

(3)

	Name of the object	Number of faces	Name the shape(s) of the faces
			

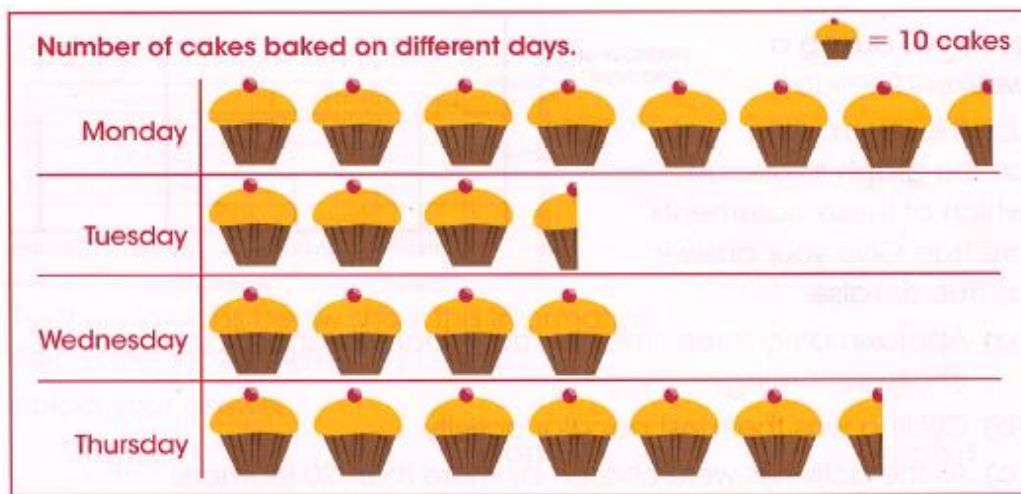
_____ / 12 Marks (Section D)

Section E: Data handling

Question 7

7.1 Kirsty bakes cakes to sell at a café.

The pictogram shows the number of cakes she bakes on four days.

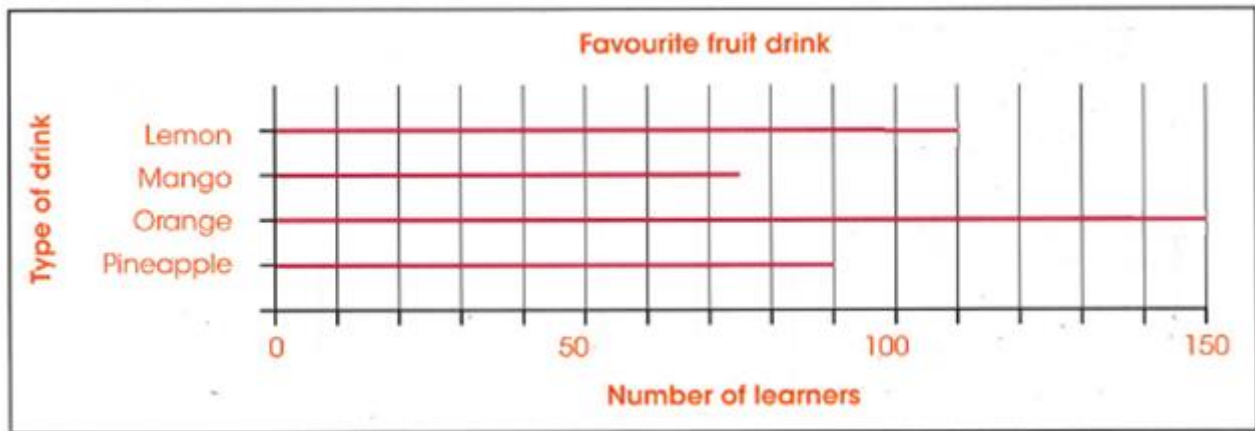


How many cakes did Kirsty bake in total? Clearly show your working.

(2)

7.2 In a survey, the students at Gateway School chose their favourite fruit drink.

The graph shows the results of the survey.



a. How many learners chose mango? (1)

b. How many more learners chose orange drink than pineapple drink? Clearly show your working. (2)

c. How many learners took part in the survey? Clearly show your working. (2)

7.3 Define the term "Pictograph"

(1)

7.4 Complete the tally table below

(1)

Means of transport	Tally marks	Frequency
Bus		6
Taxi		15

----- / 9 Marks (Section E)

----- / 80 Marks (TOTAL)