



Noah's Ark Independent Primary School

Subject: Mathematics	Examiner: Rwizi, A
Type: End of Year Exam	Moderator: Böhmer, M
Date: 19 November 2019	Grade: 5
Marks: 72 Marks	Time: 1 hours 45 minutes

Name: _____

Instructions:

Answer ALL the questions in the space provided.

Read carefully ALL the questions before answering.

Show all your calculations where applicable.

Write neatly and legibly.

Section A: Numbers, Operations and Relationships

Question 1

Circle the letter of the correct answer. (4)

1.1 What is the difference between the values of the underlined digits in $6\underline{8}13$ and $23\underline{4}7$?

- A. 4 B. 840 C. 760 D. 766

1.2 $\frac{3}{5}$ of 45g

- A. 135g B. 27g C. 9g D. 15g

1.3 8 3/6 to the nearest 100 is ...

- A. 8 000 B. 8 310 C. 8 400 D. 8 300

1.4 The third factor of 18 is ...

- A. 2 B. 6 C. 9 D. 3

Question 2

2.1 Round off these numbers (2)

a. 24 678 to the nearest 10 : _____

b. 37 529 to the nearest 1 000 : _____

2.2 The even number just before 5 852 is _____ (1)

2.3 $7\,000 + 300 + 1 =$ _____ (1)

2.4 The factors of 33 are: _____ (1)

Question 3

3.1 Compare the following numbers by placing $<$, $>$ or $=$ in the middle. (1)

$$\frac{1}{4} \quad \square \quad \frac{2}{100} + \frac{23}{100}$$

3.2 Arrange the following numbers in ascending order. (1)

33 331 ; 33 3/3 ; 33 3/4 ; 33 23/ ; 33 1/33 ; 33 4/33

_____ ; _____ ; _____ ; _____ ; _____ ; _____

3.3 Calculate and complete the following: (2)

$$7\,000 \div 35$$

$$7\,000 \div \text{_____} \div 5$$

$$\text{_____} \div 5$$

$$= \text{_____}$$

Calculate the answer for questions 3.4 to 3.8

3.4 $32\,874 + 10\,400 + 4\,527$	3.5 $47\,417 - 24\,199$
(2)	(2)

<p>3.6 896×53</p> <p style="text-align: right;">(3)</p>	<p>3.7 $9\frac{5}{11} + 3\frac{7}{11}$</p> <p style="text-align: right;">(3)</p>
<p>3.8 $6 - 3\frac{2}{5}$</p> <p style="text-align: right;">(2)</p>	

Question 4

4.1 Add the difference between $64\ 251$ and $31\ 561$ to the sum of $15\ 141$ and $11\ 691$. (4)

4.2 A gardener plants beans in 8 rows. There are 10 holes in every row, with 4 beans in each hole. How many beans did she plant altogether? (3)

4.3 Kitso collects beads. His granny gave him 179 beads yesterday. Now he has 325 beads. How many beads did he have to start with? Write a number sentence first and then solve it. (4)

Section B: Patterns, Functions and Algebra

Question 5

5.1 Fill in the missing numbers in the sequence below:

4 ; 9 ; 14 ; _____ ; _____ (2)

5.2 Determine the rule that can be used to calculate any number in the sequence for question 5.1. (2)

5.3 Look at this pattern of dots and then answer the question below.

Diagram 1



Diagram 2



Diagram 3



Diagram 4



a. Draw the next diagram (4) in the space above. (2)

b. In your own words, describe how you get from one diagram in the pattern to the next diagram. (1)

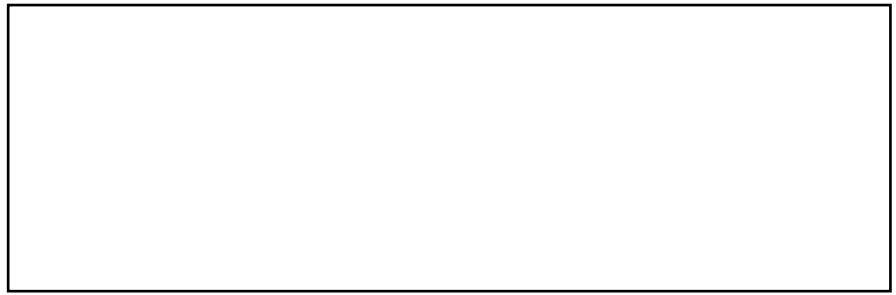
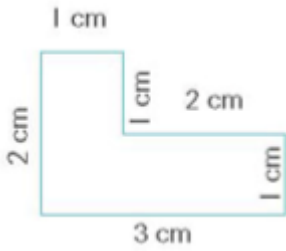
_____ / 7 Marks (Section B)

Section C: Measurement

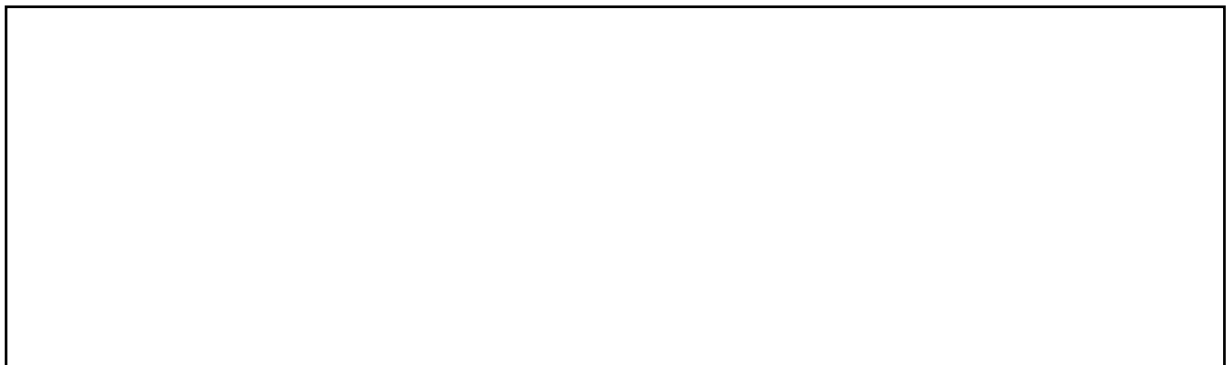
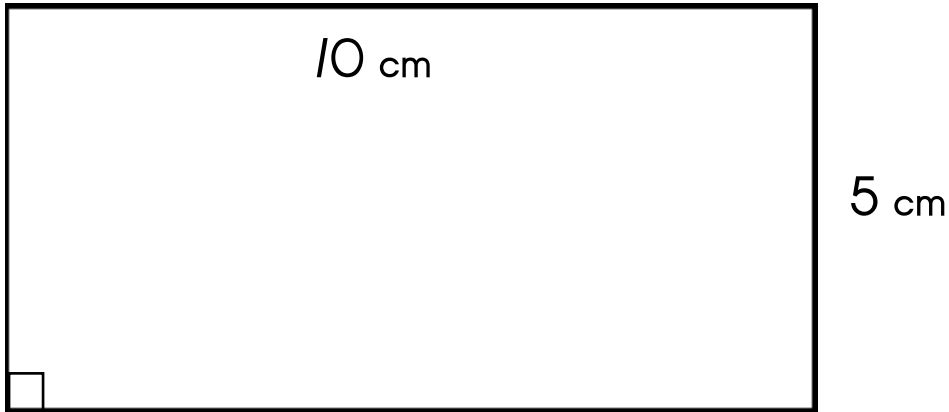
Question 6

6.1 Define the term perimeter. (1)

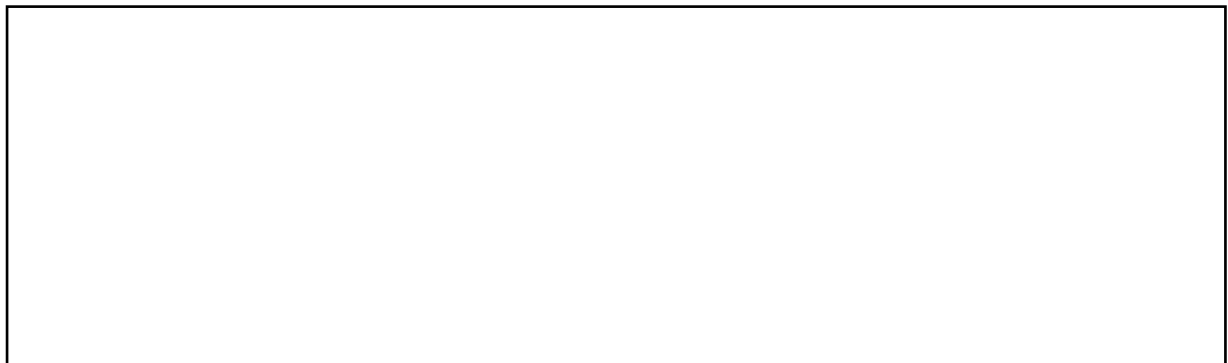
6.2 What is the perimeter of the following shape. (2)



6.3 Calculate the area of the shape below. (3)



6.4 What is the sum of $5\frac{3}{4}$ kg, $2\frac{1}{4}$ kg and 10 kg of flour? (3)



6.5 Complete the following:

a. $25\ 000\text{g} = \text{----- kg}$ (1)

b. $1\ 500\text{g} = \text{----- kg}$ (1)

6.6 Determine the difference between your answers in 6.5 (a) and (b). (1)

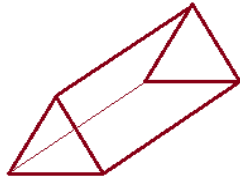
_____ / // Marks (Section C)

Section D: Space and Shape

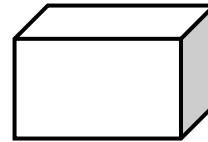
Question 7

7.1 Identify the following shapes. (2)

a)

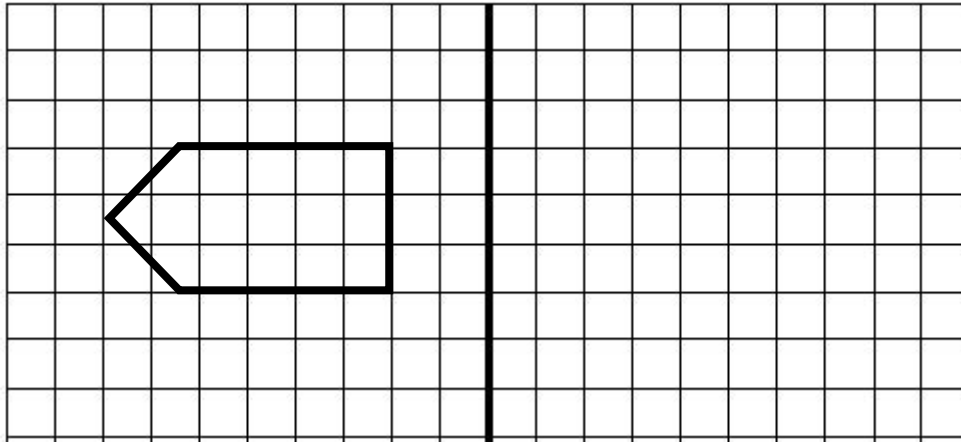


b)



7.2 Draw a net for a square-based pyramid. (3)

7.3 Reflect the shape below over the mirror line. (3)



7.4 Differentiate between a square and a triangle. (3)

_____ / // Marks (Section D)

Section E: Data Handling

Question 8

8.1 The grade 5 learners were asked to keep a record of the number of books they read during the term. The tally table below records the data for the learners.

Fill in the number of books read by the four learners. (3)

Learner	Tally	Number of books read
Miranda		a)
Breyten		b)
Delia		c)
Sam		d)

8.2 Draw the tally for the books read by the following learners: (2)

a. Owageng read 13 books: _____

b. Tshegofatso read 11 books : _____

8.3 Two red balls and 7 green balls were put in one bag. If a single ball is drawn from the bag at random: calculate the probability of obtaining a green ball. (2)

____ / 7 Marks (Section E)

____ / 72 Marks TOTAL