



# Noah's Ark Independent Primary School

Subject: Mathematics	Examiner: Matongo, N.
Type: End of Year Exam	Moderator: Rwizi, A
Date: 26 November 2020	Grade: 4-_____
Marks: 50 Marks	Time: 1 hour 15 minutes

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

## Instructions:

Answer ALL the questions in the spaces provided.

Write neatly and legibly

Carefully read all questions before answering

## Numbers, Operations and Relationships

### Question 1

Circle the letter of the correct answer. (5)

1.1 A multiple of 7 is:

A 11      B 15      C 21      D 30

1.2 Fill in the missing number:  $5 \times \underline{\hspace{2cm}} = 100$

A 10      B 20      C 15      D 50

1.3 What fraction is equal to  $\frac{2}{4}$ ?

A  $\frac{1}{4}$       B  $\frac{3}{8}$       C  $\frac{1}{2}$       D  $\frac{3}{4}$

1.4 What is the difference between the value of the underlined digit,  $7\underline{9}82$  and 100?

A 600      B 625      C 525      D 800

1.5 The answer you get after multiplying two numbers is called \_\_\_\_

A divisor      B product      C multiple      D quotient

## Question 2

2.1 Write the following numbers in digits. (1)

Three quarters : \_\_\_\_\_

2.2 Round off the following numbers. (3)

a.  $9\ 914$  to the nearest  $10$  : \_\_\_\_\_

b.  $8\ 999$  to the nearest  $100$  : \_\_\_\_\_

c.  $7\ 284$  to the nearest  $5$  : \_\_\_\_\_

2.3 Write  $8\ 689$  in expanded notation. (1)

\_\_\_\_\_

## Question 3

3.1  $1 - \frac{1}{8} =$  \_\_\_\_\_ (1)

3.2  $6\ 673 + 2\ 414$  (2)

3.3  $8\ 522 - 3\ 103$  (2)

3.4  $167 \times 52$  (3)

3.5  $\frac{2}{3}$  of 45 (2)

3.6  $\frac{2}{8} + \frac{3}{8} + \frac{1}{8}$  (2)

3.7  $405 \div 9$  (2)

Question 4

4.1 If 9 bowls cost R/35. How much will 56 of these bowls cost? (2)

4.2 There are 30 learners in Thuli's class. Only  $\frac{1}{5}$  of them passed Mathematics. How many learners passed Mathematics? (2)

4.3 You share 24 chocolate bars equally among 5 children.

a. How many bars of chocolate will each child get? (2)

b. How many bars will be left over? (1)

4.4 Zakhele buys 8 pies of R96. How many pies can be bought for R60. (3)

----- / 35 Marks (Section A)

## Section B: Patterns, Functions and Algebra

### Question 5

5.1 Look at the matchsticks pattern below and answer questions that follow.



Platinum, Mathematics Grade 4, Learner's Book, Page 89.

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- a. Count the number of matchsticks in each diagram. Fill in their count under each diagram. (3)
- b. Describe the matchstick pattern in your own words. (1)

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5.2 Complete the following number pattern. (2)

83 ; 78 ; 73 ; \_\_\_\_ ; \_\_\_\_

\_\_\_\_ / 6 Marks (Section B)

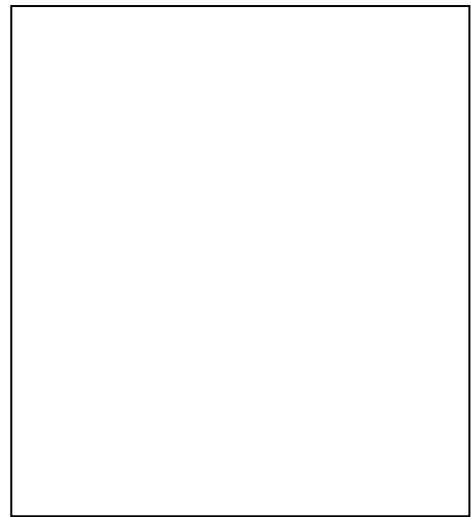
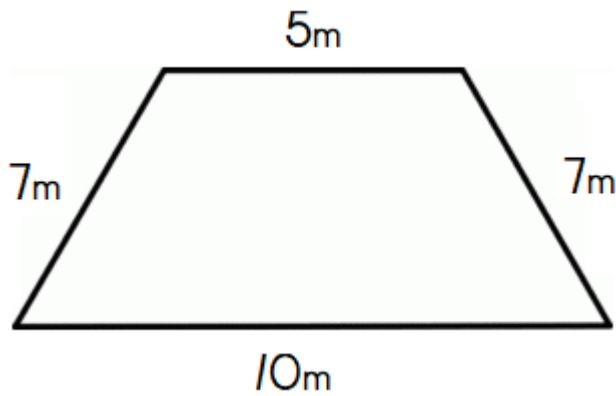
## Section C: Measurement

### Question 6

6.1 Define the term "perimeter." (1)

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6.2 Calculate the perimeter for the space below. Clearly show your working. (2)

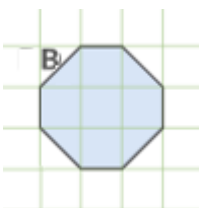
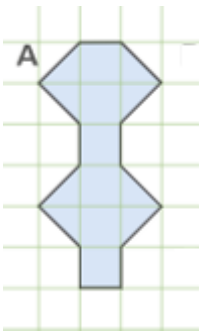


6.3 Explain what area is. (1)

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6.4 Calculate the area of the following shapes. (2)



Platinum, Mathematics Grade 4, Learner's Book, page 185.

6.5 What is mass? (1)

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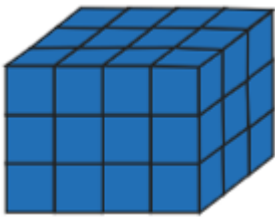
6.6 Write down the following masses in descending order. (1)

2 000g     $2\frac{1}{4}$ kg    3,5kg     $2\frac{3}{4}$ kg    2 200g

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6.7 What is  $\frac{3}{5}$  of 1 kg? (1)

6.8 Calculate the volume of the object below. (2)



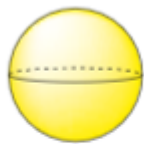
Platinum Mathematics Grade 4, Learner's Book, page 186.

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### Section D: Space and Shape

#### Question 7

7.1 Compare the following sets of shapes



Shape A



Shape B

a. Identify the shapes by name. (2)

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b. What is common about shape A and B? (1)

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c. What is the difference between shape A and B? (3)

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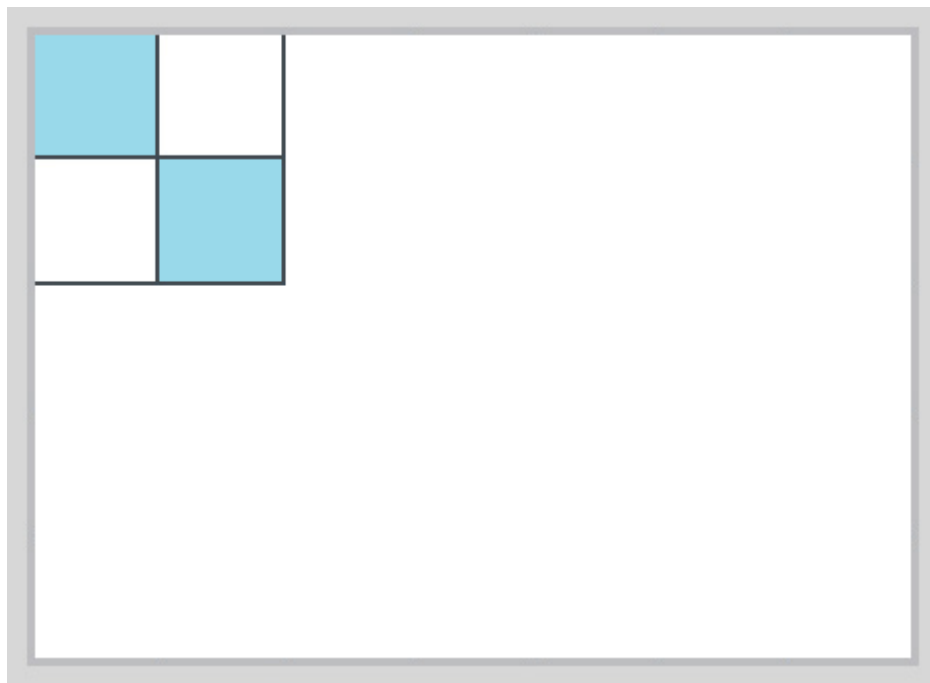
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7.2 Explain what tessellations are. (2)

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7.3 Complete this tiling pattern. (3)



\_\_\_\_\_ / // Marks (Section D)

## Section E: Data Handling

### Question 8

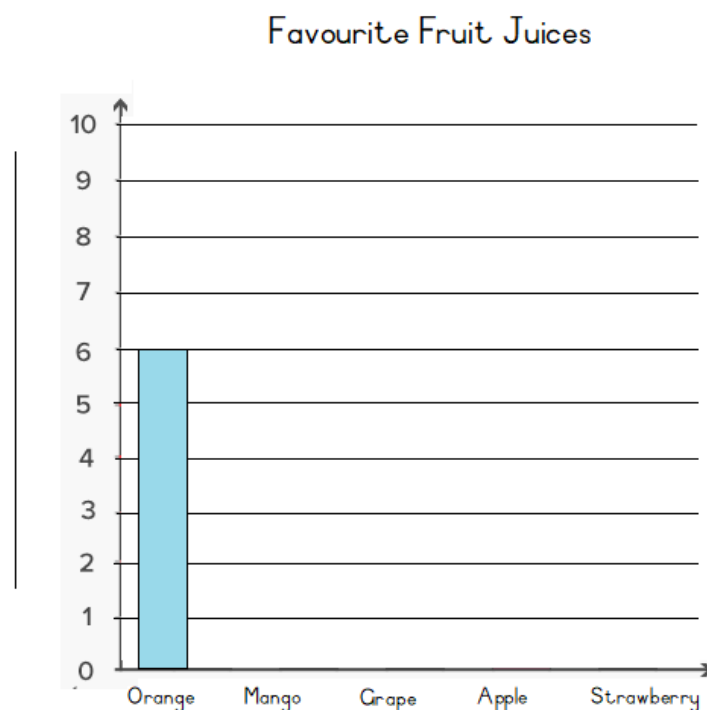
You make a survey of the kind of fruit juice learners in your class like and you get the following information:

Orange: 6      Grape: 9      Mango: 4      Apple: 2      Strawberry: 8

8.1 Use the information you gathered to complete the tally table below. (5)

Fruit Juice	Tally	Number
Orange		6
Mango	IIII	
Grape		9
Apple		2
Strawberry	IIII III	

8.2 Complete the bar graph below to represent the information gathered. (5)



8.3 Which fruit juice is most loved by learners? (1)

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8.4 Which fruit juice is the least loved by learners? (1)

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8.5 How many learners participated in the survey? (1)

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\_\_\_\_\_ / 13 Marks (Section E)

\_\_\_\_\_ / 75 Marks TOTAL