



Noah's Ark Independent Primary School

Subject: Mathematics	Examiner: Mr Matlaku
Type: End of year Exam	Moderator: Mr Zulwayo
Date: 20 November 2019	Grade: 4
Marks: 65 Marks	Time: 1 hr 30 minutes

Name: _____

Instructions:

Answer ALL the questions in the spaces provided.

Write neatly and legibly

Carefully read all questions before answering

Section A: Number, Operations and Relationships

1. Circle the correct answer for each of the following. (5)

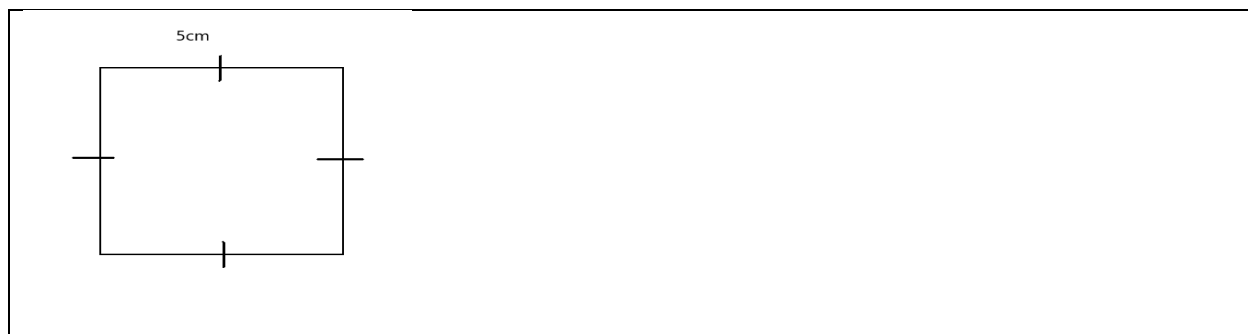
1.1 What is the place value of the underlined digit in 5 869.

- a. 800 b. Hundreds c. 8 d. Tens

1.2 $\frac{3}{5}$ of 25 is _____

- a. 5 b. 10 c. 15 d. 20

1.3 Calculate the area of the shape. (1)



- a. 25cm² b. 20cm c. 25cm d. 25cm²

1.4 The number 454 rounded to the nearest 10 is _____

- a. 400 b. 450 c. 500 d. 460

1.5 What is the difference between the values of the underlined digits in the number: $8 \underline{3}68$ and $\underline{4}261$

a. 1000

b. 1

c. 3700

d. 4300

2. Round off 999 to the nearest 1000.

Show your calculations.

(2)

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3. What is 8642 in expanded notation?

(1)

4. Order the following numbers from smallest to biggest.

(2)

3421; 1234; 2314; 3241; 2143; 2134

5. What is the difference between the highest and the smallest numbers in Question 4 above.

(2)

6. Calculate the following:

a. $3973 + 2907 =$	b. $2673 - 952 =$
(2)	(2)

$$c. 82 \times 35 =$$

(3)

$$d. 3887 + \underline{\hspace{2cm}} = 7342$$

(2)

$$e. \text{What is } \frac{3}{4} \text{ of } 40?$$

(2)

$$f. \frac{1}{2} + \frac{2}{5} =$$

(2)

7. Mary decided to do a lobster count and went snorkelling amongst the rocks. Under the first set of rocks she counted 15 lobsters, further away under another set of rocks, she found another 21. Sam her brother, did the same in another area and found 43. How many did they see altogether? (2)

8. Jane bought a pizza. She ate $\frac{2}{3}$ of it for lunch and she ate $\frac{1}{6}$ of it for supper. How much pizza is left? (3)

Section A: Total _____ / 30 Marks

Section B: Patterns, functions and Algebra

1. Use the pattern made from match sticks to complete the table below. (2)



Position number	1	2	3	4	5
Number of match sticks	3	5	7		

2. Draw diagram pattern number 4. (2)

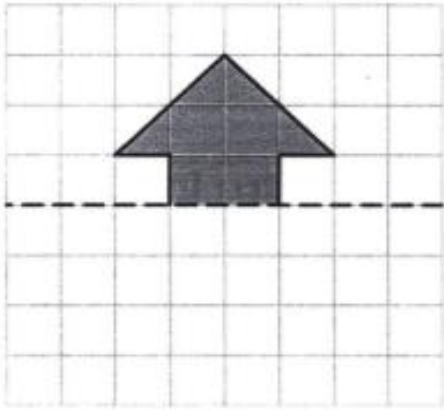


3. Determine the rule that can be used to make any diagram number pattern. (2)

4. How many matchsticks will be in step 20? Use the rule. (2)

5. Use the line of symmetry to complete the following shape. (2)

d)



Section B: Total _____ / 10 Marks

Section C: Measurement

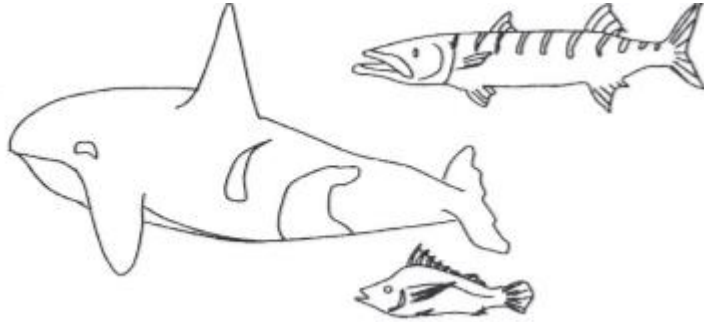
1. Convert $\frac{1}{4}$ kg into grams. (1)

2. Which is heavier sixteen 500g packets of sugar or one 10kg packet of sugar? Show calculations that proves your answer. (3)

3. Calculate the following: Write your answer in grams. (2)

$$\frac{3}{4} \text{ kg} + \frac{1}{2} \text{ kg} =$$

4. The whale in the picture below weighs 103kg . The barracuda pulls the scale to 27kg and the small snapper, weighs in at $2,365\text{kg}$. Determine the following:



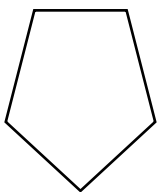
- a. What is the combined weight of all three creatures? (2)

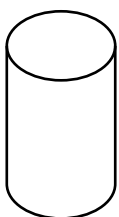
Section C: Total _____ / 8 Marks

Section D: Space and Shapes

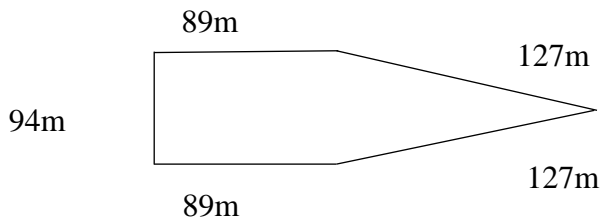
1. Name the following shapes.

(2)





2. Work out the perimeter of the sports field that was measured as follows: (3)



3. Which unit of measure is used to measure area? (square units/ cubic units) (1)

4. Differentiate between a hexagon and an octagon. (3)

Section D: Total ____ / 9 Marks

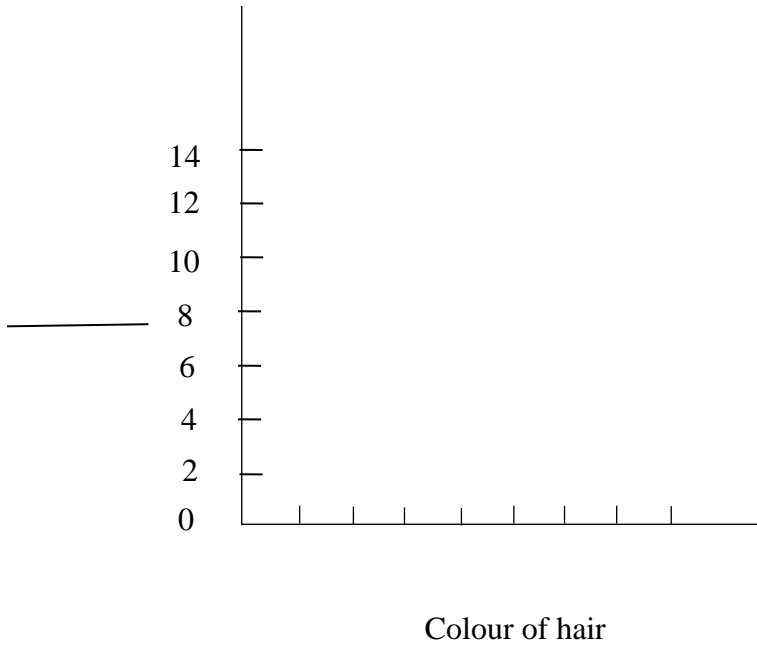
Section E: Data Handling

1. Benny made a survey of the colour of hair of his classmates. Here are his findings.

Hair colour	Tally
Brown hair	### ###
White hair	
Black hair	### ###
Red hair	

Complete the bar graph below to represent Benny's findings.

(5)



a) How many learners were in Benny's survey? (2)

b) What hair colour is the most common among Benny's classmates? (1)

Section E _____ / 8 Marks
Grand Total: _____ / 65 Marks