Name: _____

Date: _____

School Name: _____

General Instructions:

Read the instructions below before answering the following questions.

1. This test contains 10 questions. Questions are taken from four strands:
   - ✓ Number,
   - ✓ Measurement,
   - ✓ Geometry
   - ✓ Statistics & Probability
   - ✓ Algebra

Space is provided for you to answer each question.

2. Questions may be anyone of the following item type: Table Grid, Single/multiple Selected Response, complete work/explanation.

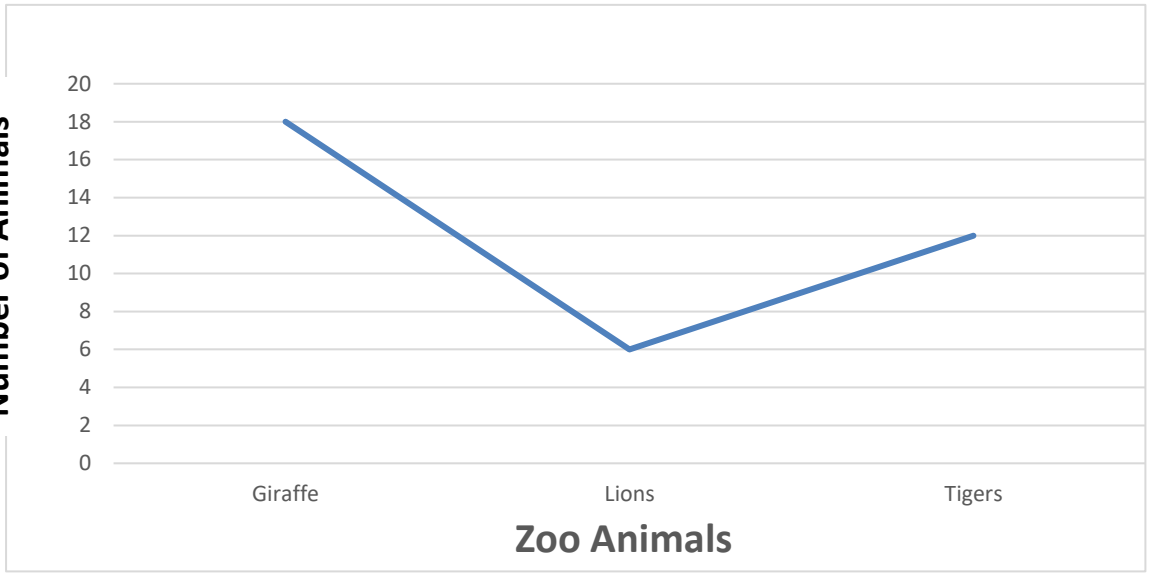
3. All questions must be answered in the provided space and remember to explain your answer where it is required.

4. Read each question carefully. Then answer questions based on instructions given.

5. For each question, where options are given to choose from, indicate the answer(s) you have selected for each question by circling the corresponding letter from the given options.

Answer ALL the questions as instructed.

Use the graph below to questions 1 and 2. Morgan made a line graph to show the number of animals living at the zoo.



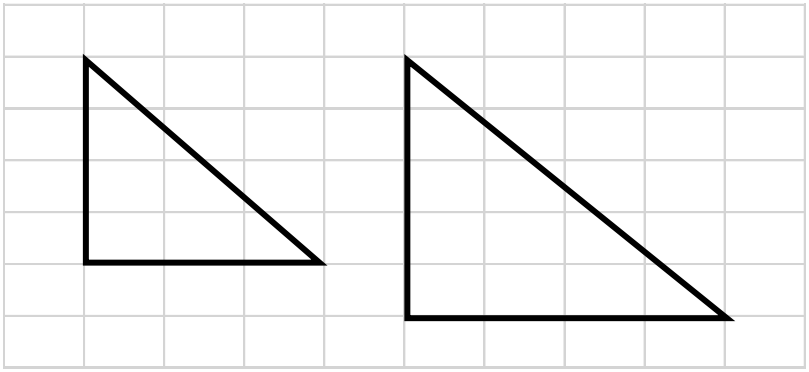
1. How many more giraffes are at the zoo than lions?
   A. 16
   B. 10
   C. 8
   D. 5

2. What could be the title of the graph?
   A. Habitats
   B. Animals
   C. Number of animals in habitat at zoo
   D. Line graph

3. Shanice said that all even numbers are composite numbers.
   Was she correct? Explain your answer.

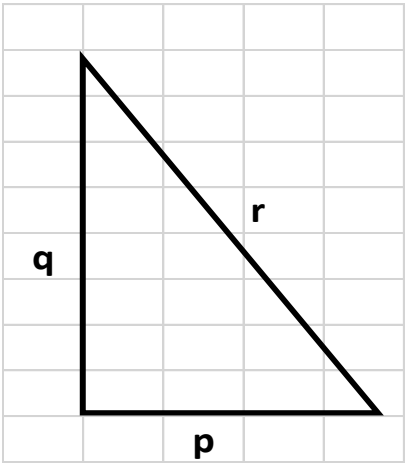
4. Tiffany had the layout of an auditorium floor on a piece of paper. She said one-unit square represented a two by two metre square. What is the total area of the auditorium?

5. During a revision session at Kensworth Primary School, the teacher showed the diagrams below.



Jose said they are two congruent shapes. Tiffany said to him that they are similar shapes not congruent.
Who is correct? Explain your answer.

6. Use the triangle on the right to answer the following questions



A. Write an algebraic expression for the area of the shape.

B. Write an algebraic expression of the perimeter.

C. If p = 3 cm, q = 4 cm and r = 5 cm, determine the area of the shape.

D. Use the information in C above to find the perimeter of the shape.

7. Trudy set a goal to jog 65 kilometers. She has jogged eight kilometers every day for seven days. How many more kilometers does she need to jog to reach her goal?

8. The distance between Mandeville and Kingston City is 68km. If the key on a map of Jamaica indicates that 1 cm = 4 km, what expression would you use to find out how many centimeters the distance will be on the map?

   A. 68 x 4
   B. 68 + 4
   C. 68 - 4
   D. 68 ÷ 4

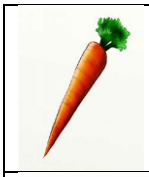
9. In Mrs. Clarke grade 6 class, the students have been learning about how to use a protractor to measure and draw angles. Using what you have learnt about angles complete the following:

   A. Draw an angle measuring 79°

B. Draw ∠f measuring 36°.

C. Draw ∠XYZ measuring 157°.

10. Mr. Anderson went to the market to get vegetable supplies for his restaurant. He bought carrot (c), tomatoes (t) and broccoli (b).

				15 kg
				13 kg
				10 kg
10 kg	8 kg	11 kg	9 kg	

A. Write an algebraic equation for any two rows in the table.

B. Write an algebraic equation for any three columns in the table.

C. Determine the mass of each type of vegetable.