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
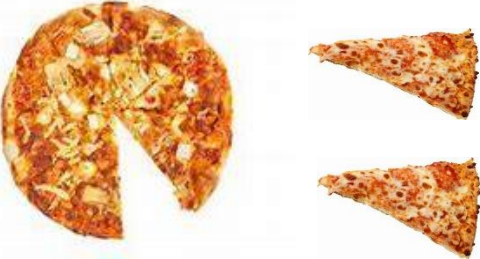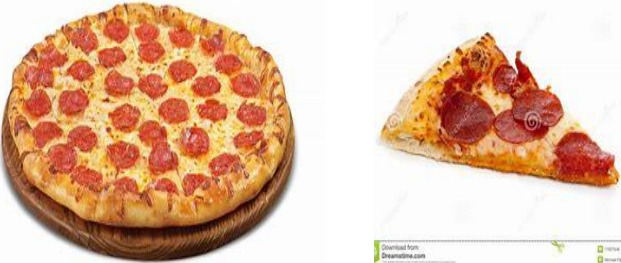   - ✓ Statistics & Probability
    - ✓ Algebra

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 pictograph below to answer questions 1 to 3. Each pizza is divided into eight slices.

Types of Pizza Sold	
Cheese Pizza	
Jerk Chicken Pizza	
Peperoni Pizza	
Vegetable Pizza	

1. Each slice of pizza represents an unknown value. Determine the correct value of one slice of the pizza if the total value of peperoni pizza, jerk chicken pizza and vegetable pizza equal 180.

2. Using the information from question 1, tally the slices of pizza and determine the value for each type of pizza – cheese, jerk chicken, peperoni and vegetable
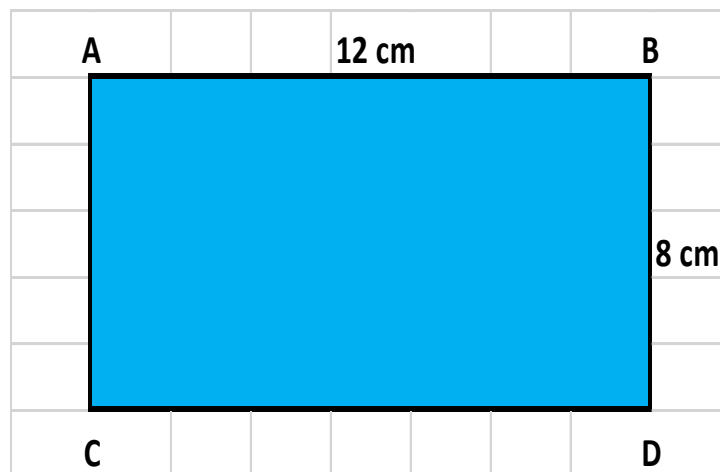
3. Now, consider the vegetable pizza to represent one whole pizza. Does the picture show an improper fraction of slices? Explain.

_____
_____
_____
_____
_____
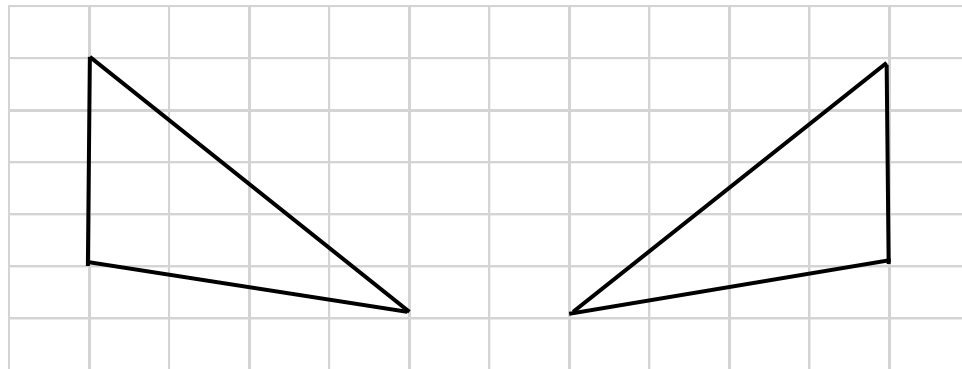_____

4. Complete the table below.

Number	List of factors	Prime or composite?
12		
2		Prime
49		
	1 and 73	
33		Composite

5. If the rectangle below was re-drawn so that its perimeter remains unchanged, but its area increases, what will happen to the shape? Explain.

A   12 cm   B

                                    8 cm

C   D

_____
_____
_____
_____
_____
_____
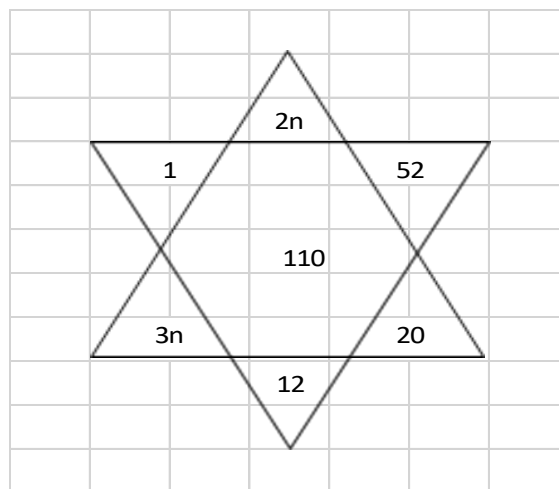_____
_____
_____
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_____
_____

6. On the grid below, an object and its reflected image are shown. Draw the line and label of reflection.

7. Look at the diagram below carefully. The number in the middle (110) is the sum of all the other numbers.

A. Write an equation to represent the information given.

B. Find the value of n.

8. Cathy had no more than seven Jamaican dollar notes. She used two of the notes to purchase salted plums for $100. Her father came to the school that day and gave her an additional $250 and she now has $750.

   A. How much money did Cathy have to start with?

B.   What were the notes Cathy had before buying the plums?

9.   A truck travels at a rate of 30 km per hour. What distance will the truck travel in five and half hours at the same speed?

10. Together, Cheoma and Shawna Williams earn $330,000 per year. Shawna earns twice as much as Cheoma earns per year.
    A. Write an expression to represent the information above.

    B. What is the individual earnings of Cheoma and Shawna per year?