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.

Read each statement and question carefully before attempting to answer the following question.

1. The fourth, fifth and sixth graders at Mount Zion Primary School sell Children's Own to raise money for field trips.

Children's Own Sales	
Grade	Number of Subscriptions Sold
Fourth	42
Fifth	36
Sixth	72

A. How many Children's Own subscriptions have been sold in all?

_____
_____
_____
_____
_____

B. What fraction of the total subscriptions sold was sold by:

i. The fourth grade

_____
_____
_____
_____

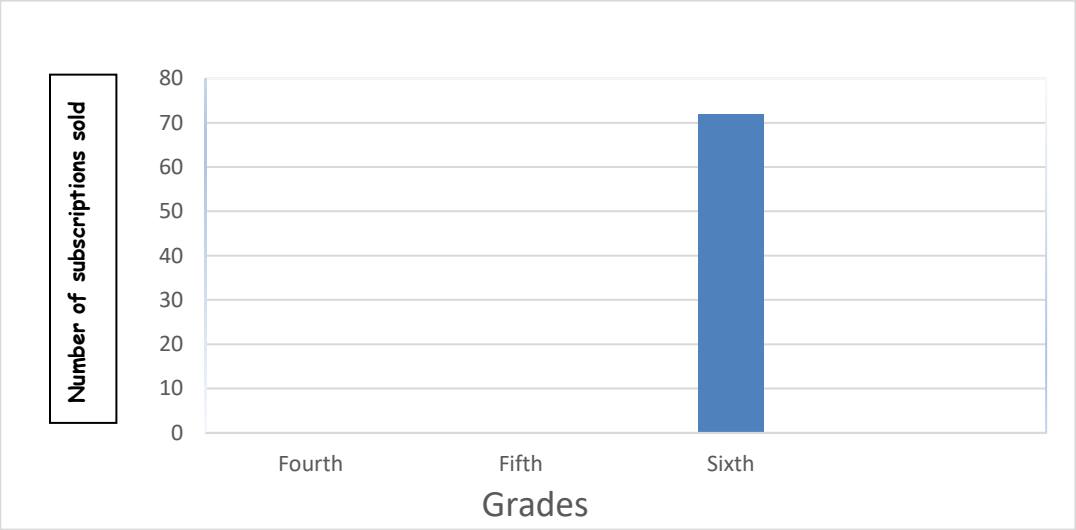
ii. The fifth grade

_____
_____
_____
_____

iii. The sixth grade

_____
_____
_____
_____

C. Complete the bar chart to show data?



2. List two composite numbers that do not share any factors other than one. Explain your answer.

_____
_____
_____
_____
_____

3. The cricket pitch of length 20 m and width 4 m which is to be covered due to rain and other external elements. What is the smallest size covering that is needed to protect the pitch?

4. Use the rectangles below to answer the questions that follows:

   a. Write an algebraic expression in terms of 'a' and 'b' to represent the area of the shape.

   _____
   _____
   _____
   _____

   b. Write an algebraic expression in terms of 'a' and 'b' for perimeter.

   _____
   _____
   _____
   _____

   c. If a = 3 cm and b = 5 cm, determine the area of the shape.

   _____
   _____
   _____
   _____

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

   _____
   _____
   _____
   _____

5. Angelica is a party planner and is planning a pizza party for a client. For this party she needs only music, balloons and pizza. A music CD cost $300.00 each, balloons cost $200.00 per bag and pizza cost $1,100.00 each.

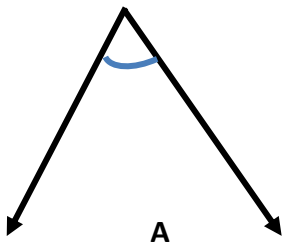
   a. Use the table to show how many of each could she buy on a budget of $5,0000.00, if she buys at least one of each item and no change is left?

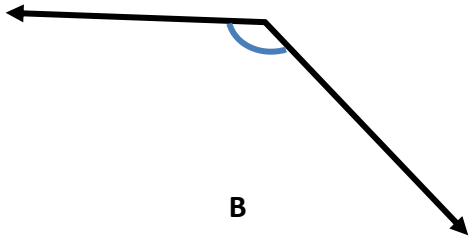
CD's	Balloon (per bag)	Pizza

b. what is the maximum number of pizzas she can buy if she has to buy at least one of the other items?

6. A wheel made one revolution across a strip. The distance travelled was 66cm. If $\pi=22/7$, what is the diameter of the wheel?

7. Estimate the angles below then use a protractor to measure them.





A. Estimate: _____ Actual: _____

B. Estimate: _____ Actual: _____

8. Andrea got a sum of money for her birthday. She bought a dress for $3,000.00 and went to movies for $1,000.00.

   A. Let r represents the money received, d represents the cost for the dress and m represents the cost for the movies. Write an expression to show the amount of money she has left.

   B. After spending, Andrea has $5,000.00 left. Using r to represent the money received, write an equation to show how much money is left.

C. How much money did she get?

9. There are 30 marbles in a bag: red, blue and green. If the probability of not choosing a red marble is 7/10, what are the two possible numbers of blue and green marbles in the bag?

   A. 15 green and 9blue
   B. 9 green and 13 blue
   C. 3 green and 18 blue
   D. 12 green and 12 blue

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