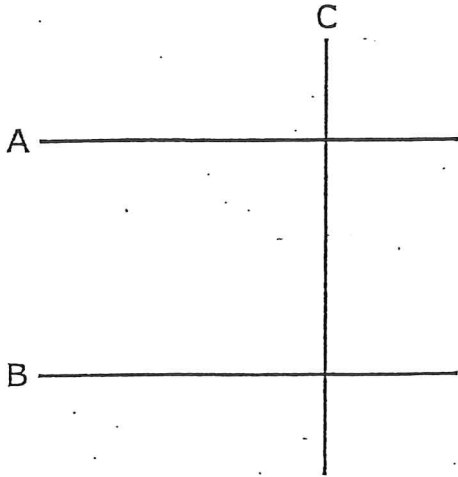


Session 1: Mathematics

1 The lines below represent 3 streets in Javier's neighborhood.



Main Street is perpendicular to First Avenue.

Pike Street is parallel to Main Street.

Use the information above to label each street in Javier's neighborhood.

A _____

B _____

C _____

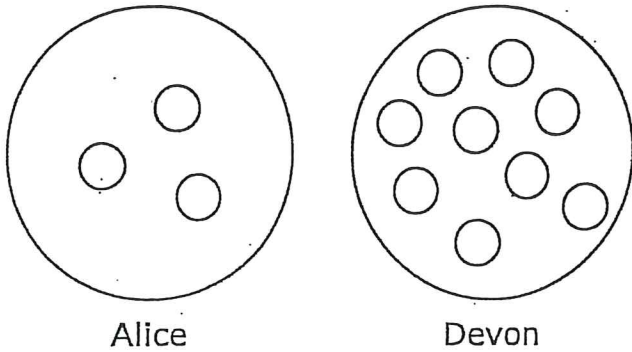
Use words, numbers, or symbols to justify the labels for each of the streets in Javier's neighborhood.

Go On



Session 1

- 2 At a restaurant, Alice ordered a 3-piece chicken nugget meal and her brother Devon ordered a 9-piece chicken nugget meal. Both of them gave $\frac{1}{3}$ of their chicken nuggets to their mom. The diagram below shows the number of chicken nuggets in both meals.



How many chicken nuggets did their mom receive?

Answer _____ chicken nuggets

What fraction of chicken nuggets did Devon have LEFT?

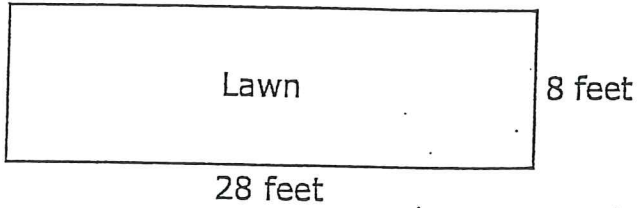
Show All Work

Answer _____

Go On 

Session 1

- 3 Michael is mowing the front lawn at his house. A diagram of the rectangular lawn is shown below.



Michael can mow an area of 56 square feet in 5 minutes.

How long, in minutes, will it take Michael to mow the front lawn?

$$\begin{aligned}\text{Area of rectangle} &= lw \\ &= \text{length} \times \text{width}\end{aligned}$$

Show All Work

Answer _____ minutes



ATTENTION! Please do not leave your punchouts in this book.

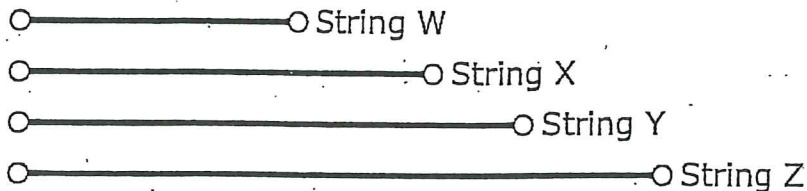
STOP

STOP! _____ STOP! _____ STOP! _____ STOP! _____ STOP! _____

Session 4

Session 4: Science

- 1 A student cuts a string into four pieces of different lengths. She stretches each string between two nails, as shown below.



The student plucks the strings and listens to the pitch of the sound each one makes. She records the results in the table below.

Sounds of Four Strings

String	Length (cm)	Pitch
W	7	high
X	10	medium
Y	12	low
Z	15	very low

Describe how the length of a string affects its pitch.

Describe how the length of a string affects the rate of vibrations when the string is plucked.

Go On 

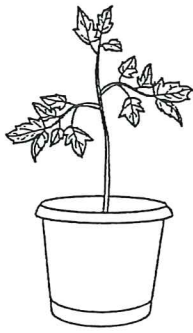
Session 4

The student decides to stretch String Y more tightly between the two nails.

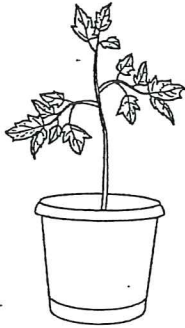
Explain how this will change the pitch and the rate of vibrations when the string is plucked.

Session 4

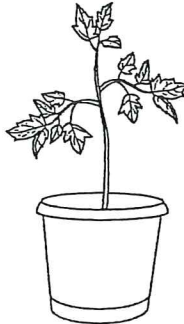
- 4 Tanya wanted to find out whether using plant food on her tomato plants would help them grow taller. She started with the four plants shown below.



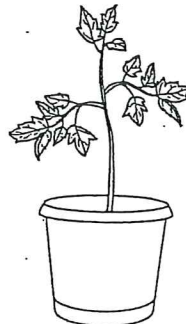
Brand A



Brand B

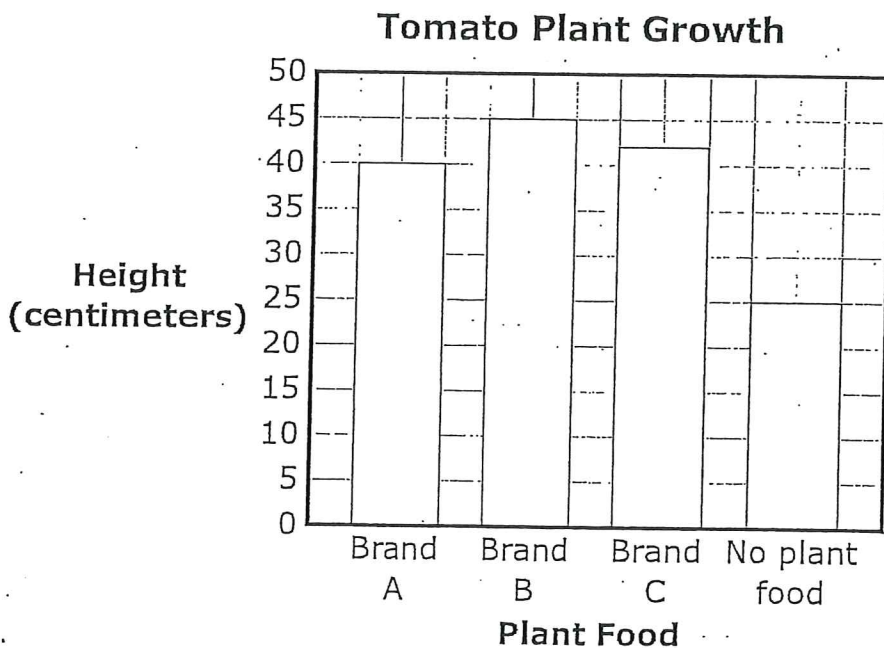


Brand C



No plant food

Tanya added two grams of brand A plant food to the first pot, two grams of brand B to the second pot, and two grams of brand C to the third pot. She did not add any plant food to the fourth pot. During her investigation, Tanya watered each plant twice a week with the same amount of water and kept all other conditions the same for the plants. After two weeks, she measured the height of the plants. Her results are shown in the graph below.



Identify TWO different tools Tanya needed to take the measurements during her investigation.

- 1) _____
- 2) _____

Compare the amount of growth of the three plants that were given plant food to the plant that did NOT receive any plant food.

According to the information in the graph, what conclusion can Tanya make about using plant food on plants?

According to the information in the graph, what conclusion can Tanya make about the different brands of plant food?

DO NOT WRITE HERE

DO NOT WRITE HERE

DO NOT WRITE HERE

DO NOT WRITE HERE

DO NOT WRITE HERE

DO NOT WRITE HERE

DO NOT WRITE HERE

DO NOT WRITE HERE

STOP! STOP! STOP! STOP! STOP!

