

Name: _____

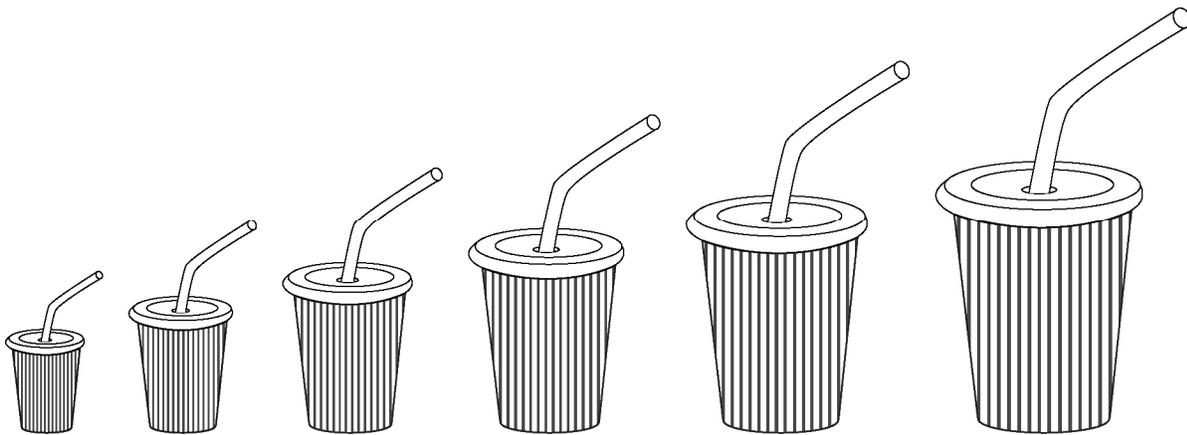
Date: _____

Thirsty for a Deal?

Materials

- grid paper
- ruler

Stores often offer discounts to consumers for buying larger quantities. For example, large drinks may cost less per millilitre than small ones. Consumers can benefit from a better deal by understanding this.



You be the consumer! Suppose you found the following prices at a juice bar for six different sizes of fresh juice.

Drink Number	Volume (mL)	Price (\$)
1	300	1.30
2	400	1.80
3	500	2.20
4	600	2.50
5	700	2.70
6	800	2.80

- Make a graph that shows the volume for each drink. Use the horizontal axis for the drink number and the vertical axis for the volume in millilitres.
- Does the graph show a linear relation? How do you know?
- Make a graph that shows the price for each volume. Is this a linear relation? How do you know?
- What are some reasons a business might charge less than double for a drink when the volume doubles?