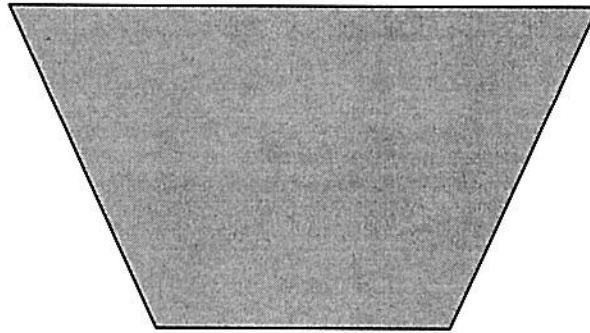


Smiley Face Math
Grade 3, Worksheet IX

Name: _____



1. Use an inch ruler to measure the sides of the trapezoid below. Measure each side to the nearest whole or $\frac{1}{2}$ inch. List the measurements in the appropriate blanks below.



Top: _____ Left: _____ Right: _____ Bottom: _____

Perimeter is the distance around a figure.

What is the *perimeter* of this trapezoid? _____



2. Marcy put 2 dimes and 1 nickel into her piggy bank each week.

a. At the end of a month, how many dimes had she put in? _____ How much money is that? _____

b. At the end of a month, how many nickels had she put in? _____ How much money is that? _____

c. At the end of a month, how much money altogether had she put in? _____



3. The next month, Marcy put a quarter into her bank each week.

a. At the end of a month, how many quarters had she put in? _____ How much money is that? _____

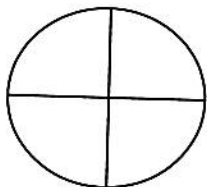
b. Explain why Marcy had put in the same amount of money at the end of the first two months. Why is 8 dimes and 4 nickels the same amount of money as 4 quarters?



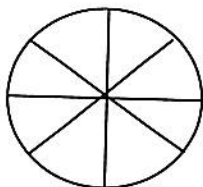


4. Joel, Lorelei, and Allison are triplets celebrating their birthday. Each triplet received their own birthday cake, and the cakes were all the same size.

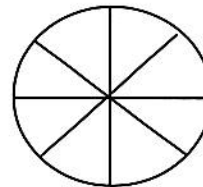
Joel ate $\frac{1}{4}$ of his cake. Lorelei ate $\frac{3}{8}$ of her cake. Allison ate $\frac{2}{8}$ of her cake. Shade each model below to show how much each triplet ate.



Joel



Lorelei



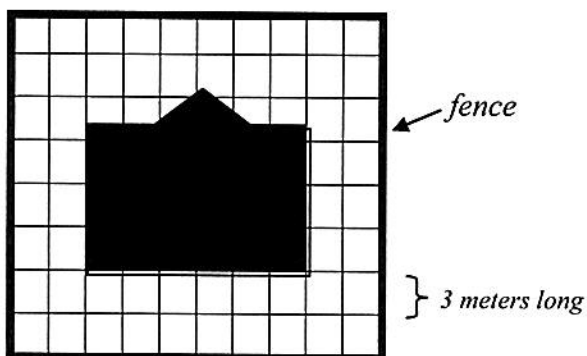
Allison

- a. Which triplet ate the most cake? _____
- b. Did Joel or Allison eat more cake? _____ Explain how can you tell:



5. Desiree wants to build a fence around the *perimeter* of her yard. She made a drawing on grid paper. Each length on the grid represents 3 meters. What is the *perimeter* of the yard?

Answer: The *perimeter* is _____ meters



6. Jada's parents pay her \$5.00 an hour for babysitting her little sister. Fill in the table below to see how much Jada will earn if she babysits for 6 hours.

Hours Worked	1	2	3	4	5	6
Money Earned	\$5	\$10				