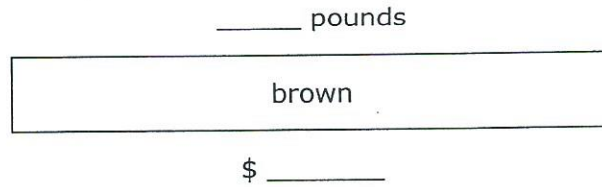


Name: \_\_\_\_\_

### Exploring Proportions

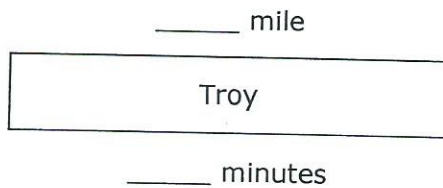
1. An 8-pound bag of apples is on sale for \$3.68. Let the brown rod represent this relationship. Write the values in the picture below. Then complete the table to describe what each rod represents.



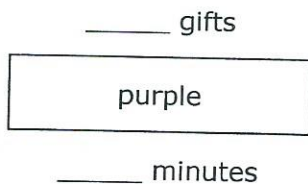
| Color       | Pounds | \$ |
|-------------|--------|----|
| White       |        |    |
| Red         |        |    |
| Light Green |        |    |
| Purple      |        |    |
| Yellow      |        |    |
| Dark Green  |        |    |
| Black       |        |    |
| Brown       |        |    |
| Blue        |        |    |
| Orange      |        |    |

- a. What is the price of 15 pounds of apples? Describe how you determined this price.
- b. How many pounds of apples could you buy with \$5.75? Describe how you determined the weight.

2. Troy can run  $\frac{1}{2}$  mile in 4 minutes. Let the picture below represent this relationship. Write the values in the picture.



- a. If he ran at a constant pace, how long would it take for Troy to run  $5\frac{1}{2}$  miles?
- b. If he ran at a constant pace, how many miles could Troy run in 22 minutes?
3. Araceli can wrap 5 gifts in 4 minutes. Let the purple rod represent this relationship. Write the values in the picture.



- a. If you wanted to represent the number of gifts Araceli can wrap in 1 hour, how many purple rods would you need? Justify your answer.
- b. How many gifts can Araceli wrap in 1 hour?
- c. How many gifts can Araceli wrap in 2 hours?