Name _____ Date _____

Using Ratios

Homework

Use what you have learned about equivalent ratios to complete each table.

1. A. **Inches to Yards**

Inches	Yards
12 inches	$\frac{1}{3}$ yard
	$\frac{2}{3}$ yard
48 inches	
	2 yards
84 inches	

B. **Kilometers to Meters**

Kilometers	Meters
.5 kilometer	500 meters
	750 meters
1 kilometer	
1.25 kilometers	
	1500 meters

C. **Quarts to Gallons**

Quarts	Gallons
1 quart	$\frac{1}{4}$ gallon
3 quarts	
	1 gallon
6 quarts	
	$1\frac{3}{4}$ gallons

Name _____ Date _____

2. Use the tables in Questions 1A–C to help you complete the following ratios.

A. $\frac{\square \text{ inches}}{1 \text{ yard}}$

B. $\frac{2 \text{ kilometers}}{\square \text{ meters}}$

C. $\frac{4 \text{ gallons}}{\square \text{ quarts}}$

3. A. A banana is 36 centimeters long on a poster. On a reduced-size copy of the poster the same banana is 18 cm long. If a pineapple is 72 centimeters long on the poster, how long will it be on the reduced-size copy?

B. Show or tell how you found your answer.

4. A. A line that is 6 centimeters long on a blueprint is 15 meters long on the actual building. If another line on the blueprint is 9 centimeters long, how long is it on the building?

B. What is the relationship between the line on the blueprint and the actual distance on the building? Show or tell how you know.