Converting Units

Measurement & Conversions

Name: _____ Date: _____ Grade 6

1. Use the conversion rate 1 inch ≈ 2.54 centimeters to complete the table.

Inches	Centimeters
1	2.54
3	
	25.4
	76.2
12	

2. There are 60 minutes in 1 hour. Use this conversion rate to complete the table.

Minutes	Hours
60	1
180	
	0.5
	2.25
450	

3. There are about 3,785 milliliters in 1 gallon, and there are 4 quarts in 1 gallon. Show or explain your thinking.

a How many quarts are in 12 gallons?

b About how many milliliters are in 8 quarts?

4. There are 5,280 feet in 1 mile. A whale swam 4 miles. How many feet did the whale swim?

5. **A recipe calls for 40 ounces of potatoes. There are 16 ounces in 1 pound. What is the weight of the potatoes in pounds?**

6. **A large tank holds 6 gallons of water, which is about 22.8 liters. A small tank holds 2 gallons. About how many liters does the small tank hold?**

A 3.8 liters

B 7.6 liters

C 11.4 liters

D 45.6 liters

7. **Maya's dog weighs 33 pounds. 1 kilogram is about 2.2 pounds.**

a About how many kilograms does the dog weigh? _____

b There are 16 ounces in 1 pound. How many ounces does the dog weigh? _____

8. **There are 3 teaspoons in 1 tablespoon. Ray says that $2\frac{1}{2}$ tablespoons is the same as 7 teaspoons. Is Ray correct? Explain your thinking.**