

### Try me

1. If 2 miles is equal to 3218.7 meters, how many meters are in 5 miles?

$$\frac{\text{mi}}{\text{m}} = \frac{2}{3218.7} = \frac{5}{x} \quad \frac{2x = 16093.5}{2}$$
$$x = 8046.75 \text{m}$$

2. Jim's puppy weighs 2,268 grams, about how many ounces does the puppy weigh?

$$\frac{\text{oz}}{\text{g}} = \frac{1}{28.35} = \frac{x}{2268} \quad \frac{2x = 2268}{28.35 \quad 28.35}$$
$$x = 8002$$

3. If 2 feet is equal to 60.96 cm, how many centimeters are in 12 feet?

$$\frac{\text{ft}}{\text{cm}} = \frac{2}{60.96} = \frac{12}{x} \quad \frac{2x = 731.52}{2}$$
$$x = 365.76 \text{cm}$$

4. If Mandy has 4 pints of ice cream, how many liters does she have?

$$\frac{\text{L}}{\text{pt}} = \frac{.47}{1} = \frac{x}{4} \quad x = 1.88 \text{L}$$

5. Ken 150 pounds. How many kilograms does he weigh?

$$\frac{\text{lbs}}{\text{kg}} = \frac{1}{.45} = \frac{150}{x} \quad x = .45(150)$$
$$x = 67.5 \text{kg}$$

6. Ellen needs 3 teaspoons of vanilla for a recipe, how many milliliters does she need?

$$\frac{\text{tsp}}{\text{ml}} = \frac{1}{4.93} = \frac{3}{x} \quad x = 3(4.93)$$
$$x = 14.79 \text{ml}$$

7. If 2 gallons of paint is equivalent to 7.58 liters, how many liters are in 7 gallons?

$$\frac{\text{gal}}{\text{L}} = \frac{2}{7.58} = \frac{7}{x} \quad \frac{2x = 7(7.58)}{2x = 53.06}$$
$$x = 26.53 \text{L}$$

8. Stuart is training for a 10k race. How many miles is he training to run in his race?

$$\frac{\text{km}}{\text{mi}} = \frac{1.61}{1} = \frac{10}{x} \quad 1.61x = 10$$
$$x = 6.2 \text{mi}$$