

Unit Conversions: Guided Practice

Name: _____

A. Big unit to small unit. Circle **more** or **fewer**. Then multiply by the number in the fact.

1. **6 feet = ? inches**

Fact: 1 foot = 12 inches

There will be **more** **fewer** inches.

$$6 \times \boxed{} = \boxed{} \text{ inches}$$

2. **4 kilograms = ? grams**

Fact: 1 kilogram = 1,000 grams

There will be **more** **fewer** grams.

$$4 \times \boxed{} = \boxed{} \text{ grams}$$

3. **5 gallons = ? quarts**

Fact: 1 gallon = 4 quarts

There will be **more** **fewer** quarts.

$$5 \times \boxed{} = \boxed{} \text{ quarts}$$

4. **3 hours = ? minutes**

Fact: 1 hour = 60 minutes

There will be **more** **fewer** minutes.

$$3 \times \boxed{} = \boxed{} \text{ minutes}$$

B. Big unit to small unit again. This time, finish the fact yourself. Then multiply.

5. **7 yards = ? feet**

Fact: 1 yard = $\boxed{}$ feet

$$7 \times \boxed{} = \boxed{} \text{ feet}$$

6. **8 meters = ? centimeters**

Fact: 1 meter = $\boxed{}$ centimeters

$$8 \times \boxed{} = \boxed{} \text{ centimeters}$$

7. **5 pounds = ? ounces**

Fact: 1 pound = $\boxed{}$ ounces

$$5 \times \boxed{} = \boxed{} \text{ ounces}$$

8. **4 minutes = ? seconds**

Fact: 1 minute = $\boxed{}$ seconds

$$4 \times \boxed{} = \boxed{} \text{ seconds}$$

C. Small unit to big unit. Circle **more** or **fewer**. Then divide by the number in the fact.

9. **36 inches = ? feet**

Fact: 1 foot = 12 inches

There will be **more** **fewer** feet.

$$36 \div \boxed{} = \boxed{} \text{ feet}$$

10. **6,000 milliliters = ? liters**

Fact: 1 liter = 1,000 milliliters

There will be **more** **fewer** liters.

$$6,000 \div \boxed{} = \boxed{} \text{ liters}$$

11. **28 days = ? weeks**

Fact: 1 week = 7 days

There will be **more** **fewer** weeks.

$$28 \div \boxed{} = \boxed{} \text{ weeks}$$

12. **32 ounces = ? pounds**

Fact: 1 pound = 16 ounces

There will be **more** **fewer** pounds.

$$32 \div \boxed{} = \boxed{} \text{ pounds}$$

D. You choose. Think: more or fewer? Circle $\times$ or $\div$. Then write the answer. The last answer is a decimal.

13. **5 weeks = ? days**

$$\times \div \boxed{} \text{ days}$$

14. **16 cups = ? pints**

$$\times \div \boxed{} \text{ pints}$$

15. **3 tons = ? pounds**

$$\times \div \boxed{} \text{ pounds}$$

16. **450 centimeters = ? meters**

$$\times \div \boxed{} \text{ meters}$$

Remember: to a smaller unit, multiply. To a bigger unit, divide. Check: more or fewer?

Unit Conversions: Guided Practice Answer Key

A. Big unit to small unit. Circle **more** or **fewer**. Then multiply by the number in the fact.

1. **6 feet = ? inches**

Fact: 1 foot = 12 inches

There will be **more** fewer inches.

$$6 \times 12 = 72 \text{ inches}$$

2. **4 kilograms = ? grams**

Fact: 1 kilogram = 1,000 grams

There will be **more** fewer grams.

$$4 \times 1,000 = 4,000 \text{ grams}$$

3. **5 gallons = ? quarts**

Fact: 1 gallon = 4 quarts

There will be **more** fewer quarts.

$$5 \times 4 = 20 \text{ quarts}$$

4. **3 hours = ? minutes**

Fact: 1 hour = 60 minutes

There will be **more** fewer minutes.

$$3 \times 60 = 180 \text{ minutes}$$

B. Big unit to small unit again. This time, finish the fact yourself. Then multiply.

5. **7 yards = ? feet**

Fact: 1 yard = 3 feet

$$7 \times 3 = 21 \text{ feet}$$

6. **8 meters = ? centimeters**

Fact: 1 meter = 100 centimeters

$$8 \times 100 = 800 \text{ centimeters}$$

7. **5 pounds = ? ounces**

Fact: 1 pound = 16 ounces

$$5 \times 16 = 80 \text{ ounces}$$

8. **4 minutes = ? seconds**

Fact: 1 minute = 60 seconds

$$4 \times 60 = 240 \text{ seconds}$$

C. Small unit to big unit. Circle **more** or **fewer**. Then divide by the number in the fact.

9. **36 inches = ? feet**

Fact: 1 foot = 12 inches

There will be more **fewer** feet.

$$36 \div 12 = 3 \text{ feet}$$

10. **6,000 milliliters = ? liters**

Fact: 1 liter = 1,000 milliliters

There will be more **fewer** liters.

$$6,000 \div 1,000 = 6 \text{ liters}$$

11. **28 days = ? weeks**

Fact: 1 week = 7 days

There will be more **fewer** weeks.

$$28 \div 7 = 4 \text{ weeks}$$

12. **32 ounces = ? pounds**

Fact: 1 pound = 16 ounces

There will be more **fewer** pounds.

$$32 \div 16 = 2 \text{ pounds}$$

D. You choose. Think: more or fewer? Circle $\times$ or $\div$. Then write the answer. The last answer is a decimal.

13. **5 weeks = ? days**

$$\times \div 35 \text{ days}$$

$$5 \times 7$$

14. **16 cups = ? pints**

$$\times \div 8 \text{ pints}$$

$$16 \div 2$$

15. **3 tons = ? pounds**

$$\times \div 6,000 \text{ pounds}$$

$$3 \times 2,000$$

16. **450 centimeters = ? meters**

$$\times \div 4.5 \text{ meters}$$

$$450 \div 100$$

Remember: to a smaller unit, multiply. To a bigger unit, divide. Check: more or fewer?