

Simplifying Ratios that have Different Units

Express 45¢ as a ratio of \$2.25
Convert the larger unit to the smaller unit

$$45\text{c} : 225\text{c}$$

Reduce by dividing by the H.C.F.

$$45 \div 45 : 225 \div 45$$

$$1 : 5$$

Express $\frac{1}{2}$ hour as a ratio of 50 minutes
Convert the larger unit to the smaller unit

$$30 \text{ minutes} : 50 \text{ minutes}$$

Reduce by dividing by the H.C.F.

$$30 \div 10 : 50 \div 10$$

$$3 : 5$$

1. Express 400 milliliters as a ratio of 2 liters
Write this ratio in its simplest form
2. Express 75¢ as a ratio to \$3.75
Write this ratio in its simplest form
3. Express 125 grams as a ratio of 1 kilogram
Write this ratio in its simplest form
4. Express 30 minutes as a ratio of 2 $\frac{1}{2}$ hours
Write this ratio in its simplest form
5. Express 60 centimeters as a ratio of 2.4 meters
Write this ratio in its simplest form
6. Express 40 ounces as a ratio to 6 cups
Write this ratio in its simplest form
7. Express 18 inches as a ratio of 4 $\frac{1}{2}$ feet
Write this ratio in its simplest form
8. Express 24 ounces as a ratio to 3 pounds
Write this ratio in its simplest form
9. Express 200 meters as a ratio of $\frac{1}{2}$ kilometer
Write this ratio in its simplest form
10. Express 42 hours as a ratio of 4 days
Write this ratio in its simplest form
11. Express $\frac{1}{2}$ quart as a ratio of 6 gallons
Write this ratio in its simplest form
12. Express 6 days as a ratio of 8 weeks
Write this ratio in its simplest form