

Ratios

Fractions, Decimals & % · Grade 6

Score: _____ / 10

● Easy · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. Write the ratio of 4 red balls to 6 blue balls in simplest form.

Answer: _____

2. A recipe uses 2 cups of flour for 3 cups of sugar. Write the ratio of flour to sugar.

Answer: _____

3. There are 5 boys and 10 girls. Write the ratio of boys to girls in simplest form.

Answer: _____

4. Write 9:12 in simplest form.

Answer: _____

5. A car travels 60 miles in 2 hours. Write the unit rate (miles per hour).

Answer: _____

6. Are 3:5 and 6:10 equivalent ratios?

Answer: _____

7. Fill in the blank: $2:7 = 6: ___$

Answer: _____

8. Write the ratio 15 to 25 in simplest form.

Answer: _____

9. A store sells 3 apples for \$1.50. What is the unit price per apple?

Answer: _____

10. Fill in the blank: $4:9 = ___:27$

Answer: _____

Answer Key

Ratios — Easy

1. **2:3**

$GCF(4,6)=2$. Divide both: $4 \div 2=2$, $6 \div 2=3$. Ratio is 2:3.

2. **2:3**

Flour:Sugar = 2:3 (already in simplest form since $GCF=1$).

3. **1:2**

$GCF(5,10)=5$. Divide both: $5 \div 5=1$, $10 \div 5=2$. Ratio is 1:2.

4. **3:4**

$GCF(9,12)=3$. Divide both: $9 \div 3=3$, $12 \div 3=4$.

5. **30 mph**

$60 \div 2 = 30$ miles per hour.

6. **Yes**

Multiply 3:5 by 2: 6:10. They are equivalent.

7. **21**

Multiply both parts by 3: $2 \times 3=6$, $7 \times 3=21$.

8. **3:5**

$GCF(15,25)=5$. Divide both: $15 \div 5=3$, $25 \div 5=5$.

9. **\$0.50**

$\$1.50 \div 3 = \0.50 per apple.

10. **12**

$9 \times 3=27$, so multiply $4 \times 3=12$.