

85. Converting Between Fractions and Ratios

Practice Questions

1. Express $\frac{3}{4}$ as a ratio.
2. Convert 5:10 into a fraction in its simplest form.
3. Write $\frac{2}{5}$ as a ratio.
4. Express 7:14 as a fraction in its simplest form.
5. Convert the fraction $\frac{3}{8}$ into a ratio.
6. A class has 18 boys and 12 girls. Express this as a ratio in its simplest form.
7. A recipe uses 2 parts flour and 3 parts sugar. What fraction of the total is flour?
8. Convert the fraction $\frac{5}{9}$ into a ratio.
9. A football team won 7 out of 10 games. Express this as a ratio.
10. Express 4:9 as a fraction.

Scenario Questions

1. A bag contains 30 red and 20 blue marbles. Write this as a ratio and as a fraction of the total marbles that are red.
2. A teacher marks 15 correct answers out of 20 questions. Express this as a ratio and as a fraction of the total questions.
3. A drink is mixed in a 3:2 ratio (water to juice). What fraction of the total is juice? Also, write it as a ratio.
4. A class has 12 boys and 18 girls. Write the boy-to-girl ratio in its simplest form and express the number of boys as a fraction of the total.
5. A factory produces 60 chairs and 40 tables. Express this as a ratio and as a fraction of total furniture that are chairs.
6. A recipe needs $\frac{5}{8}$ of a cup of sugar. Express this as a ratio and a fraction.
7. A student gets 40 out of 50 marks on a test. Express this as a ratio and as a fraction of total marks.
8. A team wins 9 out of 12 matches. Express this as a ratio and as a fraction of the total matches played.
9. A shop sells 30 apples and 20 bananas. Write this as a ratio and as a fraction of total fruit that are apples.
10. A printer prints 4 pages per minute and another prints 6 pages per minute. Express their speeds as a ratio and as a fraction of the total pages printed by both in a minute.

85. Converting Between Fractions and Ratios

Practice Questions

1. 3:4
2. $\frac{1}{2}$
3. 2:5
4. $\frac{1}{2}$
5. 3:8
6. 3:2
7. $\frac{2}{5}$
8. 5:9
9. 7:10
10. $\frac{4}{9}$

Scenario Questions

1. Ratio: 3:2, Fraction: $\frac{3}{5}$
2. Ratio: 3:4, Fraction: $\frac{3}{4}$
3. Fraction: $\frac{2}{5}$, Ratio: 3:2
4. Ratio: 2:3, Fraction: $\frac{2}{5}$
5. Ratio: 3:2, Fraction: $\frac{3}{5}$
6. Ratio: 5:8, Fraction: $\frac{5}{8}$
7. Ratio: 4:5, Fraction: $\frac{4}{5}$
8. Ratio: 3:4, Fraction: $\frac{3}{4}$
9. Ratio: 3:2, Fraction: $\frac{3}{5}$
10. Ratio: 2:3, Fraction: $\frac{2}{5}$