

9. How to turn percentages into fractions and decimals



Scenario Questions:

1. In a class of 30 students, 20% are girls. What is this percentage as a fraction and a decimal?

2. A store is offering a discount of 25% on all items. What is this percentage as a fraction and a decimal?

3. In a survey, 60% of the participants preferred chocolate ice cream. What is this percentage as a fraction and a decimal?

4. A company donated 15% of its profits to charity. What is this percentage as a fraction and a decimal?

5. In a basketball game, a player made 40% of their free throws. What is this percentage as a fraction and a decimal?

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Scenario Questions:

6. A test has 10 multiple-choice questions, and a student answered 80% of them correctly. What is this percentage as a fraction and a decimal?

7. A recipe calls for 30% less sugar than the original amount. What is this percentage as a fraction and a decimal?

8. In a survey, 70% of the participants agreed with a statement. What is this percentage as a fraction and a decimal?

9. A company increased its prices by 5%. What is this percentage as a fraction and a decimal?

10. A store sold 90% of its inventory during a sale. What is this percentage as a fraction and a decimal?

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Scenario Questions: **Answers**

1. In a class of 30 students, 20% are girls. What is this percentage as a fraction and a decimal?

1. Fraction: $\frac{1}{5}$, Decimal: 0.2

2. A store is offering a discount of 25% on all items. What is this percentage as a fraction and a decimal?

2. Fraction: $\frac{1}{4}$, Decimal: 0.25

3. In a survey, 60% of the participants preferred chocolate ice cream. What is this percentage as a fraction and a decimal?

3. Fraction: $\frac{3}{5}$, Decimal: 0.6

4. A company donated 15% of its profits to charity. What is this percentage as a fraction and a decimal?

4. Fraction: $\frac{3}{20}$, Decimal: 0.15

5. In a basketball game, a player made 40% of their free throws. What is this percentage as a fraction and a decimal?

5. Fraction: $\frac{2}{5}$, Decimal: 0.4

6. A test has 10 multiple-choice questions, and a student answered 80% of them correctly. What is this percentage as a fraction and a decimal?

6. Fraction: $\frac{4}{5}$, Decimal: 0.8

7. A recipe calls for 30% less sugar than the original amount. What is this percentage as a fraction and a decimal?

7. Fraction: $\frac{3}{10}$, Decimal: 0.3

8. In a survey, 70% of the participants agreed with a statement. What is this percentage as a fraction and a decimal?

8. Fraction: $\frac{7}{10}$, Decimal: 0.7

9. A company increased its prices by 5%. What is this percentage as a fraction and a decimal?

9. Fraction: $\frac{1}{20}$, Decimal: 0.05

10. A store sold 90% of its inventory during a sale. What is this percentage as a fraction and a decimal?

10. Fraction: $\frac{9}{10}$, Decimal: 0.9