



Basic Skills Practice

Writing Percents as Fractions, Part 1

A percent is a ratio that compares a number with 100. To write a percent as a fraction, write the number as the numerator and 100 as the denominator.

$$41\% \text{ means } 41 \text{ out of } 100. \quad 41\% = \frac{41}{100}$$

$$7\% \text{ means } 7 \text{ out of } 100. \quad 7\% = \frac{7}{100}$$

After you write the fraction, reduce it to lowest terms.

$$25\% \text{ means } 25 \text{ out of } 100. \quad 25\% = \frac{25}{100} = \frac{1}{4}$$

Percents may be greater than 100. Write as an improper fraction, and then reduce.

$$110\% \text{ means } 110 \div 100. \quad 110\% = \frac{110}{100} = \frac{11}{10} = 1\frac{1}{10}$$

Write each percent as a fraction.

- | | | |
|--------------|--------------|--------------|
| 1. 13% _____ | 2. 23% _____ | 3. 37% _____ |
| 4. 11% _____ | 5. 3% _____ | 6. 99% _____ |
| 7. 49% _____ | 8. 7% _____ | 9. 39% _____ |

Write each percent as a fraction. Then reduce to lowest terms.

- | | |
|---------------|---------------|
| 10. 50% _____ | 11. 75% _____ |
| 12. 66% _____ | 13. 12% _____ |
| 14. 24% _____ | 15. 40% _____ |

Write each percent as a mixed number in reduced form. (mixed fraction)

- | | |
|---|----------------|
| 16. 160% $\frac{160}{100} = 1\frac{3}{5}$ _____ | 17. 175% _____ |
| 18. 120% _____ | 19. 100% _____ |
| 20. 113% _____ | 21. 500% _____ |

Solve each problem.

22. Kay has served as mayor for 75% of her term. What fraction of her term has she served? _____
23. Mr. Renwiz phoned 27 students to tell them that the school was closed due to flooding. Each call took approximately 10% of an hour. What fraction of an hour was Mr. Renwiz on the phone for each call? _____



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Writing Percents as Fractions, Part 2

Read each question and circle the best answer.

1. 83% written as a fraction is—

A $\frac{8.3}{100}$

B $\frac{83}{100}$

C $\frac{83}{83}$

D $\frac{83}{10}$

2. Which fraction is equal to 25%?

F $\frac{2}{15}$

G $\frac{1}{4}$

H $\frac{1}{3}$

I $\frac{1}{2}$

3. 43 of 100 people surveyed eat in restaurants once every weekend. What percent is this?

A 57%

B 43%

C 4.3%

D 0.43%

4. Ten percent of the class made an A. This percent is equal to—

F $\frac{1}{3}$

G $\frac{1}{4}$

H $\frac{1}{5}$

I $\frac{1}{10}$

5. A 50% discount is equal to—

A $\frac{3}{8}$

B $\frac{1}{2}$

C $\frac{2}{3}$

D $\frac{4}{5}$

6. 100 surveys were sent out randomly; 45% of them were returned. How many surveys were returned?

F 100

G 54

H 53

I 45

Solve each problem.

7. On a field trip, 50% of the students bought something to eat before boarding the bus. What fraction of the students bought something to eat?

8. Arthur made 75% of 20 attempted free throws last season. What fraction of the shots he attempted did he make?

9. In the Student Government election, only 55% of the students voted. What fraction of the students voted?
