

Finding Percents with Equivalent Fractions

Date _____ Period _____

Solve each problem.

- 1) A survey shows that 4 out of 10 people prefer strawberry ice cream over chocolate ice cream. What percent of people said they prefer strawberry ice cream?

- 2) Sumalee made 3 out of 10 free throw attempts. What percent did she make?

- 3) The regular price of a basketball game ticket is \$50. Totsakan purchases the basketball game ticket with a coupon and ends up paying \$24 less. For what percent off is the coupon?

- 4) Chelsea made 8 out of 200 penalty kick attempts. What percent did she make?

- 5) A survey shows that 3 out of 30 people prefer summer weather over spring weather. What percent of people said they prefer summer weather?

6) What percent of 20 is 3?

7) What percent of 50 is 28?

8) What percent of 25 is 9?

9) What percent of 25 is 10?

10) What percent of 300 is 165?

11) What percent of 200 is 84?

12) What percent of 300 is 150?

13) What percent of 200 is 80?

14) What percent of 40 is 34?

15) What percent of 150 is 21?

16) What percent of 150 is 36?

17) What percent of 75 is 48?

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Solve each problem.

- 1) A survey shows that 4 out of 10 people prefer strawberry ice cream over chocolate ice cream. What percent of people said they prefer strawberry ice cream?

$$\frac{4 \times 10}{10 \times 10} = \frac{40}{100}$$
$$40\%$$

- 2) Sumalee made 3 out of 10 free throw attempts. What percent did she make?

$$\frac{3 \times 10}{10 \times 10} = \frac{30}{100}$$
$$30\%$$

- 3) The regular price of a basketball game ticket is \$50. Totsakan purchases the basketball game ticket with a coupon and ends up paying \$24 less. For what percent off is the coupon?

$$\frac{24 \times 2}{50 \times 2} = \frac{48}{100}$$
$$48\%$$

- 4) Chelsea made 8 out of 200 penalty kick attempts. What percent did she make?

$$\frac{8 \div 2}{200 \div 2} = \frac{4}{100}$$
$$4\%$$

- 5) A survey shows that 3 out of 30 people prefer summer weather over spring weather. What percent of people said they prefer summer weather?

$$\frac{3 \div 3}{30 \div 3} = \frac{1}{10}$$
$$\frac{1 \times 10}{10 \times 10} = \frac{10}{100}$$
$$10\%$$

6) What percent of 20 is 3?

$$\frac{3 \times 5}{20 \times 5} = \frac{15}{100}$$

15%

7) What percent of 50 is 28?

$$\frac{28 \times 2}{50 \times 2} = \frac{56}{100}$$

56%

8) What percent of 25 is 9?

$$\frac{9 \times 4}{25 \times 4} = \frac{36}{100}$$

36%

9) What percent of 25 is 10?

$$\frac{10 \times 4}{25 \times 4} = \frac{40}{100}$$

40%

10) What percent of 300 is 165?

$$\frac{165 \div 3}{300 \div 3} = \frac{55}{100}$$

55%

11) What percent of 200 is 84?

$$\frac{84 \div 2}{200 \div 2} = \frac{42}{100}$$

42%

12) What percent of 300 is 150?

$$\frac{150 \div 3}{300 \div 3} = \frac{50}{100}$$

50%

13) What percent of 200 is 80?

$$\frac{80 \div 2}{200 \div 2} = \frac{40}{100}$$

40%

14) What percent of 40 is 34?

$$\frac{34 \div 2}{40 \div 2} = \frac{17}{20}$$
$$\frac{17 \times 5}{20 \times 5} = \frac{85}{100}$$

85%

15) What percent of 150 is 21?

$$\frac{21 \div 3}{150 \div 3} = \frac{7}{50}$$
$$\frac{7 \times 2}{50 \times 2} = \frac{14}{100}$$

14%

16) What percent of 150 is 36?

$$\frac{36 \div 3}{150 \div 3} = \frac{12}{50}$$
$$\frac{12 \times 2}{50 \times 2} = \frac{24}{100}$$

24%

17) What percent of 75 is 48?

$$\frac{48 \div 3}{75 \div 3} = \frac{16}{25}$$
$$\frac{16 \times 4}{25 \times 4} = \frac{64}{100}$$

64%