

Key

Unit 8: Percent

8.1 Extra Practice: Fractions, Decimals and Percent

Write the percent as a fraction. Reduce to lowest terms

1. 16%
 $\frac{16}{100} = \frac{4}{25}$

2. 28%
 $\frac{28}{100} = \frac{7}{25}$

3. 35%
 $\frac{35}{100} = \frac{7}{20}$

4. 52%
 $\frac{52}{100} = \frac{13}{25}$

5. 71%
 $\frac{71}{100}$

6. 47%
 $\frac{47}{100}$

7. 83%
 $\frac{83}{100}$

8. 68%
 $\frac{68}{100} = \frac{17}{25}$

Write the fraction as a percent.

9. $\frac{31}{50} = \frac{62}{100}$
62%

10. $\frac{13}{20} = \frac{65}{100}$
65%

11. $\frac{8}{25} = \frac{32}{100}$
32%

12. $\frac{1}{10} = \frac{10}{100}$
10%

13. $\frac{2}{5} = \frac{40}{100}$
40%

14. $\frac{3}{10} = \frac{30}{100}$
30%

15. $\frac{91}{100}$
91%

16. $\frac{19}{25} = \frac{76}{100}$
76%

17. You buy cottage cheese that is 4% milk fat. What fraction of the cottage cheese is milk fat?

$$\frac{4}{100} = \frac{1}{25}$$

18. A basketball player makes 21 of her 25 free throw attempts during practice.

What percent of her free throws did the player make? $\frac{21}{25} = \frac{84}{100} = 84\%$

19. In a survey of 150 students, 30% said their favorite house pet is a goldfish.

How many students said their favorite house pet is a goldfish? 30% of 150 = 45 students

20. In a shipment of watermelons to a grocery store, $\frac{1}{50}$ of the watermelons are damaged. What percent of the watermelons are damaged?

$$\frac{1}{50} = \frac{2}{100} = 2\%$$

Write the percent as a decimal.

1. 81%

.81

2. 78%

.78

3. 5%

.05

4. 8%

.08

5. 16.75%

.1675

6. 150%

1.5

7. 210%

2.1

8. 186%

1.86

9. 100.8%

1.008

10. 5.17%

.0517

11. 0.4%

.004

12. 0.04%

.0004

Write the decimal as a percent.

13. 0.66

66%

14. 0.32

32%

15. 0.01

1%

16. 0.04

4%

17. 0.312

31.2%

18. 0.5

50%

19. 1.2

120%

20. 1.08

108%

21. 1.16

116%

22. 0.003

.3%

23. 0.0245

2.45%

24. 2.025

202.5%

25. Only 0.15 of the total number of vehicles in your school parking lot are buses. What percent of the vehicles are buses?

15%

26. You spent 0.88 of your allowance this week. What percent of your allowance did you spend?

88%