

## Practice for Basics of Percents

Answers on last page(s)

**Write as a decimal.**

1) 28%

1) \_\_\_\_\_

**Write the percent as a fraction or mixed number in lowest terms.**

2) 80%

2) \_\_\_\_\_

3)  $177\frac{7}{9}\%$

3) \_\_\_\_\_

4)  $\frac{7}{12}\%$

4) \_\_\_\_\_

5) 0.6%

5) \_\_\_\_\_

6) 900%

6) \_\_\_\_\_

7) 225%

7) \_\_\_\_\_

**Write as a percent.**

8)  $\frac{2}{3}$

8) \_\_\_\_\_

9)  $\frac{1}{7}$

9) \_\_\_\_\_

10)  $\frac{6}{11}$

10) \_\_\_\_\_

11)  $\frac{17}{24}$

11) \_\_\_\_\_

12)  $\frac{23}{19}$

12) \_\_\_\_\_

13)  $\frac{4}{5}$

13) \_\_\_\_\_

**Write as a decimal.**

14) 90%

14) \_\_\_\_\_

15) 11.3%

15) \_\_\_\_\_

16) 100%

16) \_\_\_\_\_

- 17) 990% 17) \_\_\_\_\_
- 18) 916% 18) \_\_\_\_\_
- 19) 0.4% 19) \_\_\_\_\_
- 20) 94.56% 20) \_\_\_\_\_
- 21) 0.33% 21) \_\_\_\_\_
- 22) 0.047% 22) \_\_\_\_\_

**Write as a percent.**

- 23) 0.19 23) \_\_\_\_\_
- 24) 0.36 24) \_\_\_\_\_
- 25) 0.9 25) \_\_\_\_\_
- 26) 0.946 26) \_\_\_\_\_
- 27) 0.297 27) \_\_\_\_\_
- 28) 2.3 28) \_\_\_\_\_
- 29) 0.00847 29) \_\_\_\_\_
- 30) 8 30) \_\_\_\_\_
- 31) 0.0001 31) \_\_\_\_\_

**Write percents as decimals and decimals as percents.**

- 32) At State University, 94% of the students are female. 32) \_\_\_\_\_
- 33) A record store downtown is offering 9% off all purchases for the month of December. 33) \_\_\_\_\_
- 34) Only .2% of those polled had heard the news. 34) \_\_\_\_\_
- 35) At State University, 97% of the students are female. 35) \_\_\_\_\_
- 36) At a certain company 33.6% of the employees have engineering degrees. 36) \_\_\_\_\_
- 37) The telethon raised 876% of its anticipated goal. 37) \_\_\_\_\_

- 38) 0.0092 of all products produced at a certain factory contain defects. 38) \_\_\_\_\_
- 39) 0.003 of all math majors at a certain university double major in music. 39) \_\_\_\_\_
- 40) Rainfall decreased by 0.202 this year. 40) \_\_\_\_\_
- 41) Sales this year were 3.6 times last year's sales. 41) \_\_\_\_\_
- 42) Attendance this year was 9.839 times greater than last year. 42) \_\_\_\_\_

## Answer Key

Testname: BASICSOFPERCENTS

- 1) 0.28
- 2)  $\frac{4}{5}$
- 3)  $1\frac{7}{9}$
- 4)  $\frac{7}{1200}$
- 5)  $\frac{3}{500}$
- 6) 9
- 7)  $2\frac{1}{4}$
- 8) 66.7%
- 9) 14.3%
- 10) 54.5%
- 11) 70.8%
- 12) 121.1%
- 13) 80%
- 14) 0.9
- 15) 0.113
- 16) 1
- 17) 9.9
- 18) 9.16
- 19) 0.004
- 20) 0.9456
- 21) 0.0033
- 22) 0.00047
- 23) 19%
- 24) 36%
- 25) 90%
- 26) 94.6%
- 27) 29.7%
- 28) 230%
- 29) 0.847%
- 30) 800%
- 31) 0.01%
- 32) 0.94
- 33) 0.09
- 34) 0.002
- 35) 0.97
- 36) 0.336
- 37) 8.76
- 38) 0.92%
- 39) 0.3%
- 40) 20.2%
- 41) 360%
- 42) 983.9%