

## Solutions: Fractions, Decimals, Percents Practice Problems

Review the solutions to the practice problems to see how well you did.

For the following problems, convert each decimal to a percent.

1) 0.25

Solution      25%

2) 0.36

Solution      36%

3) 0.48

Solution      48%

4) 0.343

Solution      34.3%

5) 0.771

Solution      77.1%

6) 1.42

Solution      142%

7) 2.58

Solution      258%

8) 4.976

Solution      497.6%

9) 16.1814

Solution      1,618.14%

10) 533.01

Solution      53,301%

11) 2

Solution 200%

12) 14

Solution 1,400%

For the following problems, convert each percent to a decimal.

1) 15%

Solution 0.15

2) 43%

Solution 0.43

3) 16.2%

Solution 0.162

4) 53.8%

Solution 0.538

5) 5.05%

Solution 0.0505

6) 6.11%

Solution 0.0611

7) 0.78%

Solution 0.0078

8) 0.88%

Solution 0.0088

9) 0.09%

Solution 0.0009

10) 0.001%

Solution 0.00001

For the following problems, convert each fraction to a percent.

1)  $\frac{1}{5}$

Solution 20%

2)  $\frac{3}{5}$

Solution 60%

3)  $\frac{5}{8}$

Solution 62.5%

4)  $\frac{1}{16}$

Solution 6.25%

5)  $\frac{7}{25}$

Solution 28%

6)  $\frac{16}{45}$

Solution  $35.\overline{5}$ %

7)  $\frac{27}{55}$

Solution  $49.\overline{09}$ %

8)  $\frac{15}{8}$

Solution 187.5%

9)  $\frac{41}{25}$

Solution 164%

10)  $\frac{64}{5}$

Solution 1280%

$$11) \frac{99}{20}$$

Solution 495%

$$12) \frac{1}{200}$$

Solution 0.5%

$$13) \frac{6}{11}$$

Solution  $54.\overline{54}\%$

$$14) \frac{35}{27}$$

Solution  $129.\overline{629}\%$

For the following problems, convert each percent to a fraction.

1) 80%

$$\text{Solution } \frac{4}{5}$$

2) 60%

$$\text{Solution } \frac{3}{5}$$

3) 25%

$$\text{Solution } \frac{1}{4}$$

4) 75%

$$\text{Solution } \frac{3}{4}$$

5) 65%

Solution  $\frac{13}{20}$

6) 18%

Solution  $\frac{9}{50}$

7) 12.5%

Solution  $\frac{1}{8}$

8) 37.5%

Solution  $\frac{3}{8}$

9) 512.5%

Solution  $\frac{41}{8}$  or  $5\frac{1}{8}$

10) 937.5%

Solution  $\frac{75}{8}$  or  $9\frac{3}{8}$

11) 9.9%

Solution  $\frac{99}{1000}$

12) 55.5%

Solution  $\frac{111}{200}$

**Resource:**

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