

Name : _____

Score : _____

Teacher : _____

Date : _____

Converting Between Percents, Decimals, and Fractions

Convert Decimal to Percent

$1.16 =$

$0.418 =$

$0.94 =$

$0.198 =$

$0.54 =$

$1.23 =$

Convert Percent to Decimal

$119 \% =$

$159 \% =$

$28.5 \% =$

$53.7 \% =$

$63 \% =$

$172 \% =$

Convert Decimal to Fraction

$1.14 =$

$0.359 =$

$1.59 =$

$0.984 =$

$0.634 =$

$0.76 =$

Convert Fraction to Decimal

$\frac{3}{8} =$

$\frac{7}{25} =$

$\frac{2}{20} =$

$\frac{7}{10} =$

$\frac{3}{8} =$

$\frac{74}{50} =$

Convert Fraction to Percent

$\frac{33}{40} =$

$\frac{8}{10} =$

$\frac{6}{10} =$

$\frac{1}{10} =$

$\frac{7}{20} =$

$\frac{51}{50} =$

Multiplying by Percents that are Powers of Ten

1) What is 10 percent of 93 ?

6) What is 1 percent of 65 ?

2) What is 100 percent of 51 ?

7) What is 100 percent of 15 ?

3) What is 100 percent of 27 ?

8) What is 10 percent of 49 ?

4) What is 1 percent of 10 ?

9) What is 10 percent of 10 ?

5) What is 10 percent of 38 ?

10) What is 100 percent of 81 ?



Solve each problem. Round your answer to the nearest hundredth.

1) What is 6% of 24.77? _____

2) What is 14% of 21.55? _____

3) What is 12% of 37.54? _____

4) What is 2% of 34.4? _____

5) What is 5% of 14.03? _____

6) What is 5% of 37.82? _____

7) What is 10% of 48.46? _____

8) What is 14% of 15.27? _____

9) What is 12% of 23.36? _____

10) What is 6% of 11.46? _____

11) What is 6% of 18.9? _____

12) What is 2% of 33.53? _____

Answer

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Solve each problem. Round your answer to the nearest hundredth.

Answers

- 1) A small bag of flour weighed 13 ounces. A large bag was 5 percent heavier. How much does the large bag weigh?
- 2) A loan company charged 35 percent interest on every dollar borrowed. If a person borrowed 177 dollars, how much would they end up paying total?
- 3) A plant was 46 centimeters tall. After a month it had grown 7% taller. How tall was the plant after a month?
- 4) Ned created a video that was originally 40 minutes long, but he ended up cutting it by 8 percent. How long was his video after he cut it?
- 5) An old cell phone battery would last for 13 hours. The new battery lasts 29 percent longer. How long will the new battery last?
- 6) A furniture store had a chair that cost \$33. After a few months the owner took 9% off the price. How much is the chair now?
- 7) Olivia ordered a shirt online that cost her \$38 total. The package arrived late so the seller took 16% off the price. How much did she end up paying?
- 8) A store was selling lawn mowers for \$69. The repair agreement is 23 percent of the price of the mower. How much would it cost for a mower and repair agreement?
- 9) An older TV screen was 11 centimeters wide. The newer model increased the screen size by 10 percent. How wide is the new TV screen?
- 10) The early version of a cell phone was 93 millimeters thick. The current version is about 16% thinner. How thick is the newer version?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____