

# Percentage of a Number

**100% of something means all of it. 1% of something means 1/100 of it.**

To calculate a percentage of a quantity, we use the same method as when we calculate a fractional part of that quantity because *percent* simply means a hundredth part. Therefore, percentages are just fractions.

**How much is 1% of 200 kg?** This means how much is 1/100 of 200 kg? It is simply 2 kg. You just divide by 100 to find a hundredth part!

**To find 1% of something (1/100 of something), divide by 100.**

Remember how to divide by 100 mentally: Just move the decimal point two places to the left. For example, 1% of 540 is 5.4. And 1% of 8.30 is 0.083.

**To find 10% of some quantity, divide by 10.**

Why does that work? 10% is 10/100. And, 10/100 is equal to 1/10. So we just find 1/10 of a quantity! For example, 10% of 340 people is 34 people. Or, 10% of \$2.30 is \$0.23. (To divide by 10 mentally, just move the decimal point one place to the left.)

1. Find 10% of these numbers.

- a. 900 \_\_\_\_\_      b. 160 \_\_\_\_\_      c. 50 \_\_\_\_\_      d. 4,100 \_\_\_\_\_  
e. 96 \_\_\_\_\_      f. 145 \_\_\_\_\_      g. 9 \_\_\_\_\_      h. 0.5 \_\_\_\_\_

2. Find 1% of these numbers.

- a. 900 \_\_\_\_\_      b. 6,800 \_\_\_\_\_      c. 550 \_\_\_\_\_      d. 80 \_\_\_\_\_  
e. 56 \_\_\_\_\_      f. 12 \_\_\_\_\_      g. 5 \_\_\_\_\_      h. 1 \_\_\_\_\_

3. If 1% of Cindy's salary is \$23, how much is her salary?

4. Ten percent of the cost of the pool is \$430. How much does the pool cost?

5. Mark pays 10% of his salary in taxes. His salary is \$450.  
Find how much he has left after paying taxes.

6. Erica's income is \$2,500. Find how much she has left  
after giving 1% of her income to charities.