

Name \_\_\_\_\_

Date \_\_\_\_\_

# A Science Sleuth

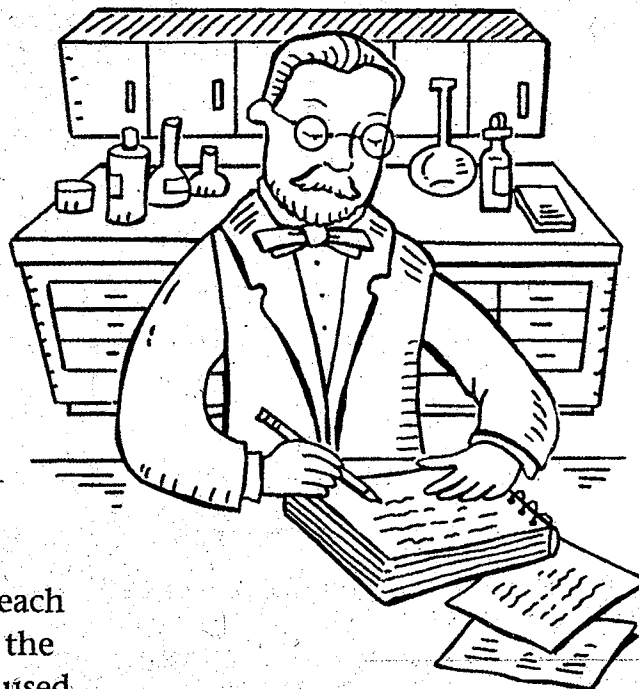
Finding the Percent  
of a Number

This famous French chemist and biologist proved that germs cause disease. What was his name?

**Answer:**

280    45    15.75    90    5.4

12.96    81    5.4    7.36    49.95    15.75    6.63



To answer the question, find the percent of each number. Write the letter of each problem in the space above its answer. (Some letters will be used more than once. Some letters will not be used.)

A. 25% of 324 = \_\_\_\_\_

I. 125% of 72 = \_\_\_\_\_

J. 15% of 255 = \_\_\_\_\_

S. 7.5% of 72 = \_\_\_\_\_

O. 60% of 75 = \_\_\_\_\_

U. 10.5% of 150 = \_\_\_\_\_

T. 8% of 92 = \_\_\_\_\_

L. 175% of 160 = \_\_\_\_\_

R. 8.5% of 78 = \_\_\_\_\_

P. 20.25% of 64 = \_\_\_\_\_

M. 6.25% of 96 = \_\_\_\_\_

E. 33.3% of 150 = \_\_\_\_\_

Name \_\_\_\_\_

# Percent of a Quantity

You can use ratios to write a percent of a quantity.

**Find 0.9% of 30.**

**Step 1** Write the percent as a rate per 100.  $0.9\% = \frac{0.9}{100}$

**Step 2** Multiply by a fraction equivalent to 1 to get a whole number in the numerator.  $\frac{0.9}{100} \times \frac{10}{10} = \frac{9}{1,000}$

**Step 3** Write the multiplication problem.  $\frac{9}{1,000} \times 30$

**Step 4** Multiply.  $\frac{9}{1,000} \times 30 = \frac{27}{100} = 0.27$

So, 0.9% of 30 is 0.27.

Find the percent of the quantity.

1. 8% of 90

2. 20% of 80

3. 95% of 340

4. 33% of 28

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. 200% of 8.5

6. 125% of 70

7. 0.25% of 120

8. 0.4% of 50

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

9. 45% of 70

10. 155% of 30

11. 75% of 124

12. 0.8% of 1,000

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

13. James correctly answered 85% of the 60 problems on his math test. How many questions did James answer correctly?

14. A basketball player missed 25% of her 52 free throws. How many free throws did the basketball player make?

\_\_\_\_\_

\_\_\_\_\_