

Name \_\_\_\_\_ Date \_\_\_\_\_

## PERCENT-DIVIDE OR MULTIPLY?

If the fraction has a denominator that is a factor of 100 (1 2 4 5 10 20 25 50 100), then you can simply follow this example of multiplication to find the percentage.

a) After the fraction, place an equal sign and a fraction bar with 100 as the denominator.

$$\frac{1}{5} = \frac{\quad}{100}$$

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$$\frac{1 \times 20 = 20}{5 \times 20 = 100}$$

x 20

b) What factor did the denominator increase by to make it to 100? It increased by a factor of 20 because  $5 \times 20 = 100$ ! Multiply 20 by your numerator to get your percentage.  $20 \times 1 = 20\%$

$$\frac{1}{5} = 20\%$$

If the denominator is not a factor of 100, then you must divide the numerator by the denominator. Remember that the top number always goes under the division sign. Round your answer to the nearest hundredth.

1)  $\frac{12}{50}$

2)  $\frac{8}{19}$

3)  $\frac{7}{8}$

4)  $\frac{15}{20}$

5)  $\frac{1}{25}$

6)  $\frac{1}{3}$

7)  $\frac{8}{26}$

8)  $\frac{29}{32}$

9)  $\frac{14}{37}$

10)  $\frac{19}{50}$

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

12)  $\frac{16}{20}$

13)  $\frac{24}{96}$

14)  $\frac{18}{20}$

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

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

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

18)  $\frac{5}{12}$

19)  $\frac{9}{27}$

20)  $\frac{11}{25}$