

Name: Class:



Convert between percents, fractions, and decimals

a. Convert 45 % to decimal.

e. Convert 0.45 to percent.

b. Convert $\frac{9}{20}$ to percent.

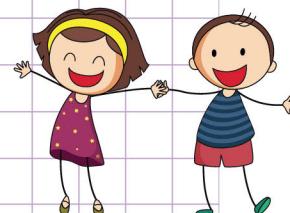
f. Convert 45 % to fraction.

c. Convert 25% to decimal.

g. Convert $\frac{2}{5}$ percent.

d. Convert 0.0032 to percent.

h. Convert 90% to fraction.



Name: Class:



Convert between percents, fractions, and decimals

- a. Convert 45 % to decimal.

To convert a percent to a decimal, move the decimal point 2 places to the left

$$45\% = 0.45$$

- e. Convert 0.45 to percent.

To convert a decimal to percent, multiply the decimal by 100
 0.45×100
 (move the decimal 2 places to the right)
 $= 45\%$

- b. Convert
- $\frac{9}{20}$
- to percent.

First of all convert to decimal by dividing

0.45
20
9.00
-
0
9
-
8
0
-
1
0
-
1
0
-
0

Then, multiply 0.45 by 100
 0.45×100
 move the decimal point
 2 places to the right
 $= 45\%$

- f. Convert 45 % to fraction.

Divide 45 by 100

$$\begin{array}{r} 45 \\ 100 \\ \hline \end{array} \text{ Simplify } \begin{array}{r} 9 \times 5 \\ 20 \times 5 \\ \hline \end{array} = \frac{9}{20}$$

$$45\% \text{ as a fraction} = \frac{9}{20}$$

- c. Convert 25% to decimal.

To convert a percent to a decimal, move the decimal point 2 places to the left

$$\begin{aligned} 25 \times 100 \\ = 0.25 \end{aligned}$$

- g. Convert
- $\frac{2}{5}$
- percent.

First of all convert to decimal by dividing

$$\begin{array}{r} 0.4 \\ 5 \\ \hline 2.0 \\ -0 \\ \hline 20 \\ -20 \\ \hline 00 \\ \hline \end{array} \text{ Then, multiply } 0.4 \text{ by } 100 \\ 0.4 \times 100 \\ \text{move the decimal} \\ 2 \text{ places to the right} \\ = 40\% \end{math>$$

- d. Convert 0.0032 to percent.

To convert from decimal to percent, multiply the decimal by 100
 0.0032×100
 move the decimal 2 places to the right
 $= 0.32\%$

- h. Convert 90% to fraction.

Divide 90 by 100

$$\begin{array}{r} 90 \\ 100 \\ \hline \end{array} \text{ Simplify } \begin{array}{r} 9 \times 10 \\ 10 \times 10 \\ \hline \end{array}$$

