

Name: ..... Class: .....

Convert between percents, fractions, and decimals



1. Convert 45 % to decimal

2. Convert 0.45 to percent

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

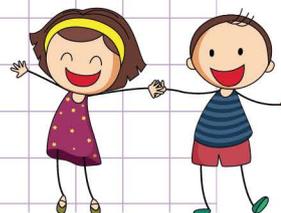
4. Convert 45 % to fraction

5. Convert 25% to decimal

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

7. Convert 0.0032 to percent

8. Convert 90% to fraction



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Convert between percents, fractions, and decimals



**1.** Convert 45 % to decimal

To convert a percent to a decimal,  
move the decimal point 2 places  
to the left  
45% = 0.45

**2.** Convert 0.45 to percent

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

**3.** Convert  $\frac{9}{20}$  to percent

First of all convert to decimal by dividing

$$\begin{array}{r} 0.45 \\ 20 \overline{) 9.00} \\ \underline{0} \phantom{00} \\ 90 \phantom{0} \\ \underline{80} \phantom{0} \\ 100 \\ \underline{100} \\ 0 \end{array}$$

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

**4.** Convert 45 % to fraction

Divide 45 by 100

$$\frac{45}{100} \text{ Simplify } \frac{9 \times 5}{20 \times 5} = \frac{9}{20}$$

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

**5.** Convert 25% to decimal

To convert a percent to a decimal,  
move the decimal point 2 places  
to the left  
25 x 100  
= 0.25

**6.** Convert  $\frac{2}{5}$  percent

First of all convert to decimal by dividing

$$\begin{array}{r} 0.4 \\ 5 \overline{) 2.0} \\ \underline{0} \phantom{0} \\ 20 \\ \underline{20} \\ 00 \end{array}$$

Then, multiply 0.4 by 100  
0.4 x 100  
move the decimal  
2 places to the right  
= 40 %

**7.** Convert 0.0032 to percent

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

**8.** Convert 90% to fraction

Divide 90 by 100

$$\frac{90}{100} \text{ Simplify } \frac{9 \times 10}{10 \times 10}$$

