

Name: Class:

Convert between percents, fractions, and decimals

a. Convert 45% to decimal.

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

c. Convert 25% to decimal.

d. Convert 0.0032 to percent.

e. Convert 0.45 to percent.

f. Convert 45% to fraction.

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

h. Convert 90% to fraction.

i. Convert 95% to fraction.

j. Convert 0.75 to percent.

k. Convert 50% to decimal.

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Convert between percents, fractions, and decimals

<p>a. Convert 45% to decimal.</p> <p>To convert a percent to a decimal, move the decimal point 2 places to the left.</p> <p>45% = 0.45</p>	<p>e. Convert 0.45 to percent.</p> <p>To convert a decimal to percent, multiply the decimal by 100.</p> <p>0.45 x 100 (move the decimal 2 places to the right) = 45 %.</p>
<p>b. Convert $\frac{9}{20}$ to percent.</p> <p>First of all convert to decimal by dividing.</p> $\begin{array}{r} 0.45 \\ 20 \overline{) 9.00} \\ \underline{0} \\ 90 \\ \underline{ 80} \\ 100 \\ \underline{ 100} \\ 0 \end{array}$ <p>Then, multiply 0.45 by 100.</p> <p>0.45 x 100</p> <p>Now, move the decimal point 2 places to the right.</p> <p>= 45 %</p>	<p>f. Convert 45% to fraction.</p> <p>Divide 45 by 100.</p> $\frac{45}{100} \text{ Simplify } \frac{9 \times 5}{20 \times 5}$ $= \frac{9}{20}$ <p>45% as a fraction = $\frac{9}{20}$</p>
<p>c. Convert 25% to decimal.</p> <p>To convert a percent to a decimal, move the decimal point 2 places to the left.</p> <p>25 x 100 = 0.25</p>	<p>g. Convert $\frac{2}{5}$ percent.</p> <p>First of all convert to decimal by dividing.</p> $\begin{array}{r} 0.4 \\ 5 \overline{) 2.0} \\ \underline{0} \\ 20 \\ \underline{ 20} \\ 00 \end{array}$ <p>Then, multiply 0.4 by 100.</p> <p>0.4 x 100</p> <p>Now, move the decimal 2 places to the right.</p> <p>= 40 %</p>
<p>d. Convert 0.0032 to percent.</p> <p>To convert from decimal to percent, multiply the decimal by 100.</p> <p>0.0032 x 100.</p> <p>Move the decimal 2 places to the right.</p> <p>= 0.32%</p>	<p>h. Convert 90% to fraction.</p> <p>Divide 90 by 100.</p> $\frac{90}{100} \text{ Simplify } \frac{9 \times 10}{10 \times 10}$