

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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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

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

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

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

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

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

