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

Convert between percents, fractions, and decimals

1. Convert 65% to decimal.

2. Convert 0.35 to percent.

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

4. Convert 45% to fraction.

5. Convert 75% to decimal.

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

7. Convert 0.0032 to percent.

8. Convert 90% to fraction.

9. Convert 60% to fraction.

10. Convert 12 to percent.

11. Convert $\dfrac{3}{6}$ percent.

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

Convert between percents, fractions, and decimals

1. Convert 65% to decimal.

To convert a percent to a decimal,
move the decimal point 2 places
to the left.
65% = 0.65

2. Convert 0.35 to percent.

To convert a decimal to percent,
multiply the decimal by 100.
0.35 x 100
(move the decimal 2 places to the right)
= 35%

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.

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

$= \frac{9}{20}$

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

5. Convert 75% to decimal.

To convert a percent to a decimal,
move the decimal point 2 places
to the left.
75 x 100
= 0.75

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.

$\frac{90}{100}$ Simplify $\frac{9 \times \cancel{10}}{10 \times \cancel{10}}$ = $\frac{9}{10}$