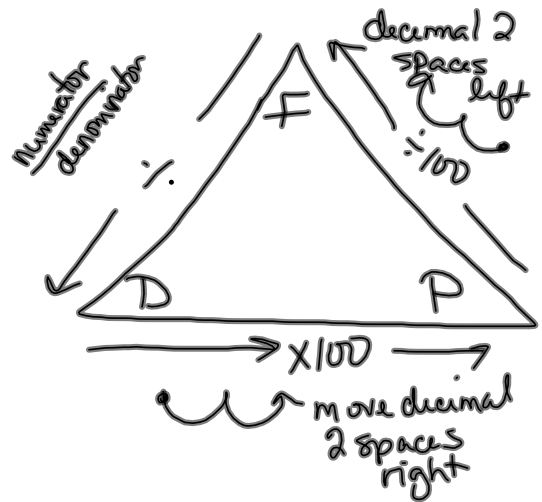


Fraction, Decimal, Percent

Diagrams

$$\frac{\text{is}}{\text{of}} = \frac{\text{part}}{\text{whole}} = \frac{\%}{100}$$

<p>Equation - Clue Words</p> <p>is =</p> <p>of x</p>
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Fraction to Decimal

$\frac{\text{numerator}}{\text{denominator}}$ *> divide*

$$\frac{1}{4} = 0.25$$

$$\frac{1}{4} \quad \begin{array}{r} 0.25 \\ 4 \overline{) 1.00} \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

Decimal to Percent

0.35

$$\text{decimal \#} \times 100 = \underline{\quad\quad} \%$$

 move decimal
point
2 spaces right

$$0.2 = 0.\underline{20} = 20\%$$

$$1.4 = 1.\underline{40} = 140\%$$

$$0.0075 = 0.\underline{0075} = 0.75\%$$

$$\frac{75}{10,000}$$

Percent to Decimal

$$\frac{\%}{100} \rightarrow \text{divide}$$

↪ decimal point
moves left 2 spaces

$$25\% = \frac{25}{100} = 25. = 0.25$$

$$0.3\% = \frac{0.3}{100} = 0.003 = 0.003$$

$$170\% = 170. = 1.7$$

Fraction	Decimal	Percent
$\frac{1}{6}$	$0.1\bar{6}$	$16.\bar{6}\%$ or $16\frac{2}{3}\%$
$\frac{4}{10} = \frac{2}{5}$	0.4	40%
$\frac{45}{100} = \frac{9}{20}$	0.45	45%

Three types of percent equations

Part

What is 15%
of 100

$$n = 0.15(100)$$

$$n = 15$$

Percent

What percent of
200 is 10?

$$p(200) = 10$$

$$200p = 10$$

$$p = 0.05$$

$$p = 5\%$$

Base

15 is 20% of
what number?

$$15 = 0.20n$$

$$75 = n$$

$$35.5 = p/150$$

$$\frac{35.5}{150} = \frac{150}{150} p$$

$$\textcircled{23.6\%} = p$$

$$7 = 2.5\% n$$

$$\frac{7}{0.025} = \frac{0.025 n}{0.025}$$

$$280 = n$$

is =
of ()
P
n