A percentage is a fraction out of one hundred

50 percent is 50 out of one hundred

75 percent is 75 out of one hundred

115 percent is 115 out of one hundred (more than one whole)

You can convert from percentages to decimals by dividing by 100

|  |  |  |
| --- | --- | --- |
|  | 🡪 ÷ 100 🡪 |  |
| Percent |  | Decimal |
|  | 🡨 × 100 🡨 |  |

50% = 0.5

75% = 0.75

115% = 1.15

62% = 0.62

171% = 1.71

0.3% = 0.003

Percentage can also be converted straight into a fraction by placing it over one hundred

50% = $\frac{50}{100}$ = $\frac{1}{2}$

To go from a fraction to a percentage you need to make the bottom number (the denominator) one hundred.

$$\frac{3}{25}\rightarrow \frac{3×4}{25×4}=\frac{12}{100}=12\%$$

If the denominator isn’t a factor of 100 you can still make this work, just divide both the top and bottom by whatever the denominator is, then by 100.

$$\frac{3÷7×100}{7÷7×100}=\frac{42.86}{100}=42.86\%$$

You can also just times the fraction as by 100 to get to the percentage

$$\frac{3}{7}×100=\frac{300}{7}=42.86\%$$