


# Percentages

We see percents everywhere. A percent is another way of writing a fraction or a decimal.

The term 'Percent' means 'out of 100'. The symbol is '%'. 

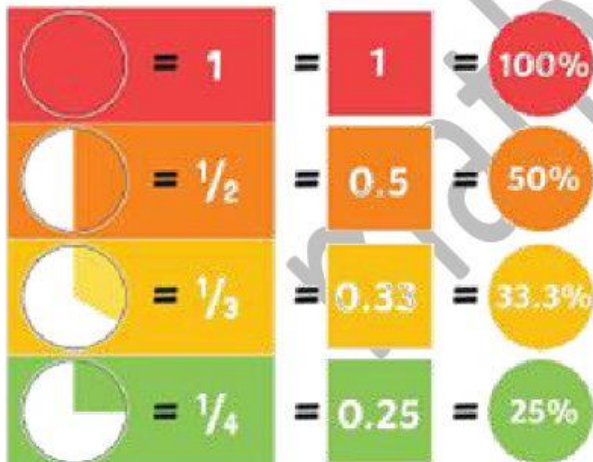
**40%** means '**40 out of 100**'

or **40**

**100**

or **0.40 = 0.4**

Here are some common percentages with their fraction and



| Fractions       | Decimals | Percentages |
|-----------------|----------|-------------|
| $\frac{1}{2}$   | 0.5      | 50%         |
| $\frac{1}{3}$   | 0.3      | 33.3%       |
| $\frac{2}{3}$   | 0.6      | 66.6%       |
| $\frac{1}{4}$   | 0.25     | 25%         |
| $\frac{3}{4}$   | 0.75     | 75%         |
| $\frac{1}{5}$   | 0.2      | 20%         |
| $\frac{1}{10}$  | 0.1      | 10%         |
| $\frac{1}{20}$  | 0.05     | 5%          |
| $\frac{1}{100}$ | 0.01     | 1%          |

Complete the following table using the pieces on the right.

| Fractions     | Decimals | Percentages |
|---------------|----------|-------------|
| $\frac{1}{2}$ |          |             |
| $\frac{1}{3}$ |          |             |
|               |          | 66.6%       |
|               | 0.25     |             |
| $\frac{3}{4}$ |          |             |
|               | 0.2      |             |
|               |          | 10%         |
|               | 0.05     |             |
|               |          | 1%          |

0.5

$\frac{2}{3}$

0.01

75%

$\frac{1}{100}$

20%

$\frac{1}{5}$

5%

0.333

50%

33.3%

25%

$\frac{1}{20}$

0.75

0.666

$\frac{1}{4}$

$\frac{1}{10}$

0.1