



Fractions and decimals

Fractions and decimals are **different ways of writing the same thing**. Here are some common fraction/decimal equivalents that would be useful to learn:

Fraction	Decimal
1	1
$\frac{1}{2}$	0.5
$\frac{1}{4}$	0.25
$\frac{3}{4}$	0.75
$\frac{1}{10}$	0.1
$\frac{1}{5}$	0.2
$\frac{1}{3}$	0.33
$\frac{2}{3}$	0.67

When solving problems involving fractions and decimals it sometimes makes the question easier if it's written in another way.

Example

The temperature reading in my car is **28.5°C**. How would I write this as a fraction?

0.5 is the same as $\frac{1}{2}$. So the temperature is the same as **28 $\frac{1}{2}$ °C**. See the number line below:

