



Number Line



Negative Numbers

Positive Numbers

Four Operations

Key Vocabulary - Definitions

Addition (+)

$$\begin{array}{r} 787567 \\ + 446278 \\ \hline 1233845 \\ \hline \end{array}$$

Subtraction (-)

$$\begin{array}{r} 742831 \\ - 427358 \\ \hline 315473 \\ \hline \end{array}$$

**Multiple** - a number that can be divided evenly by a given number.

**Factor** - a number that is multiplied by another number, resulting in a product.

**Common Factor** - a number which is a factor of two or more other numbers.

**Prime Number** - a number with no divisors other than 1 and itself.

**Composite Number** - a number that can be divided by numbers other than 1 and itself, leaving no remainders.

**Prime Factor** - a factor of a number that is also a prime number.

**Square Number** -  $2^2 = 2 \times 2 = 4$

**Cube Number** -  $3^3 = 3 \times 3 \times 3 = 27$

Multiplication (x)

$$\begin{array}{r} 43 \\ \times 65 \\ \hline 215 \quad (5 \times 43) \\ + 2580 \quad (60 \times 43) \\ \hline 2795 \end{array}$$

Division (÷)

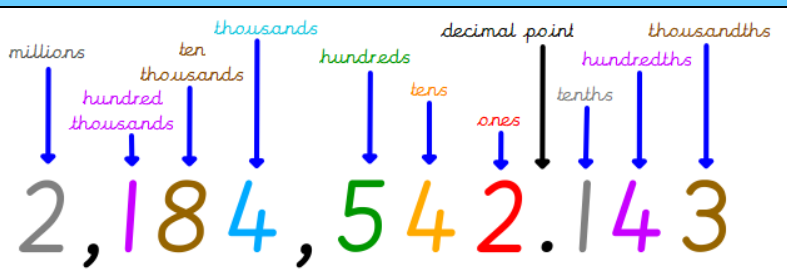
$$846 \div 5 = 169.2$$

$$5 \overline{) 846.0}$$

Units of Measure

Place Value

Length	Capacity	Mass
1mm = 0.1cm	1ml = 0.001l	1g = 0.001kg
10mm = 1cm	10ml = 0.01l	10g = 0.01kg
100cm = 1m	100ml = 0.1l	100g = 0.1kg
1000m = 1km	1000ml = 1l	1000g = 1kg

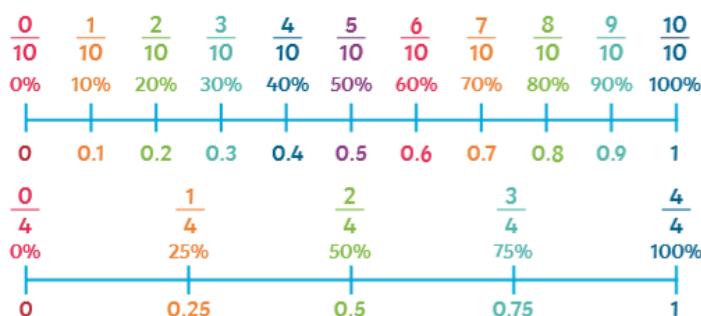


Rounding

<p><b>Rounding to Nearest 10</b></p> <p>Remember: The red digit is the one to consider.</p>	<p><b>Rounding to Nearest 100</b></p> <p>Remember: The red digit is the one to consider.</p>	<p><b>Rounding to Nearest 1000</b></p> <p>Remember: The red digit is the one to consider.</p>	<p><b>Rounding to Nearest 10 000</b></p> <p>Remember: The red digit is the one to consider.</p>	<p><b>Rounding to Nearest 100 000</b></p> <p>Remember: The red digit is the one to consider.</p>
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Equivalent Fractions, Decimals and Percentages

Adding and Subtracting Fractions



When two fractions have the **same** denominator...

$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5} \quad \frac{4}{8} - \frac{2}{8} = \frac{2}{8}$$

When two fractions have a **different** denominator...

$$\frac{1}{3} + \frac{1}{2} = \frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

$$\frac{1}{2} - \frac{1}{5} = \frac{5}{10} - \frac{2}{10} = \frac{3}{10}$$