

**QUADRILATERALS** 

Square

Kite

Trapezoid

The opposite sides

of a parallelogram

are equal and

parallel.

Also, opposite angles are equal.

The opposite sides

of a rhombus are

parallel. All sides

are equal.

A rectangle's

opposite sides are

parallel and equal. A

rectangle has four

right angles.

÷10

**Parallelogram** 

Rhombus

Rectangle

All sides of a

square are equal.

Each angle is a right angle.

A kite has two

pairs of equal,

adjacent sides.

Only one pair of

opposite sides is

parallel.

÷1000

## Perimeter of a compound shape 10cm

14cm

The perimeter is the distance

To calculate the perimeter, you

around a shape.

add up lengths:

8 cm

24cm

4cm + 4cm + 8cm + 8cm =

#### **Perimeters of Shapes** Area of Shapes (eg. cm², mm²)

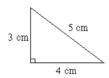
To calculate the area of a parallelogram, rectangle or square:

Length x Height



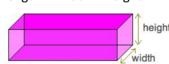
To calculate the area of triangle (eg. cm<sup>2</sup>, mm<sup>2</sup>):

(Base x Height) ÷ 2



#### Volume: (Remember cm<sup>3</sup>)

Length x Width x Height



# **Maths Revision** made Easy

#### **Angle Sums**



Straight Line and a triangle = 180°

#### Regular/ Irregular

In regular shapes, all of the angles are the same and all the sides are the same length.

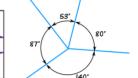
In irregular shapes, the angles or sides are different.

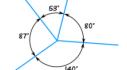


Irregular

#### **Angle Sums**

Quadrilaterals and about a point = 360°





#### Circles

Radius, Diameter and Circumference





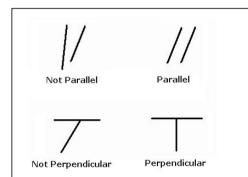


The diameter is double the radius. The circumference is the distance around the circle.

#### **Parallel and Perpendicular**

-Parallel lines or sides stay The same distance apart.

-Perpendicular lines or sides Meet at right angles.



#### Units of Length Units of Mass Kilometres and Metres Kilograms and Grams 1000 m 1000 g 1 km 750 m $0.75 \, \text{km}$ 3500 g 3.5 kg. Metres and Centimetres Tonnes and Kilograms 100 cm 1000 kg 1 m 1 tonne 20 tonnes 20000 kg Metres and Millimetres = 1000 mm 1 m 2600 mm Units of Capacity ÷1000 Litres and Millilitres Centimetres and Millimetres ×10 1 cm 1 litre 1000 ml 10 mm 31.5 cm 🔻 1.68 litres 1680 ml

#### **Roman Numerals**

Symbol	Value
I	1
V	5
X	10
${f L}$	50
C	100
D	500
M	1000

#### **Prime Numbers**

A number that is only divisible by itself and 1.

#### 2, 3, 5, 7 (not 9) 11

#### Factors:

Factors divide into a number exactly.

Eg. The factors of 6 are: 1, 6, 2 and 3

#### Multiples

Think Times tables. Multiples of 3 are: 6, 9, 12, 15 etc.

### **Squared Numbers**

 $5^2 = 5 \times 5 = 25$ 

#### **Cubed Numbers:**

 $5^3 = 5 \times 5 = 25 \times 5 = 125$ 

#### **Averages**

Hey Diddle, Diddle,

The median's the Middle,

You Add and Divide for the Mean,

The Mode is the one that Appears the Most,

And the Range is the Difference

#### Days in a Month

30 days have September, April, June and November,

All the rest have 31, Except February alone,

It has 28 days clear, And 29 in each leap year.

Remember, in a year, there are: 52 weeks, 12 months or 365 days.

#### **Types of Angles**

