Key Basic Facts YOU MUST KNOW!

NUMBERS

Bi = 2.

Tri = 3.

Quad = 4.

Pent = 5.

Hex = 6.

Hept = 7 (sometimes a seven figure shape can also be called a septagon too).

Oct = 8.

Non = 9.

Dec = 10.

'agon' = angle.

Cent = 100

Kilo = 1000.

Milli = 1000.

There are 12 in a dozen.

There are 13 in Baker's dozen.

There are 6 in half a dozen.

MEASURES

There are 10 mm in 1cm.

There are 100cm in 1 metre.

There are 1000m in 1km.

There is 1000g in a kilogram.

There are 100 pennies in a pound.

There are 1000millilitres in a litre, so 500 in half a litre.

Area = Length X Width It is the measurement of the space INSIDE the shape and is always measured in m or cm squared (little 2).

Perimeter is the distance all the way around the shape

TIME

There are 60 seconds in a minute.

There are 60 minutes in one hour.

There are 24 hours in a day.

There are 12 months in a year.

There are 365 (and a 1/4) days in one year. (That's why we have a leap year every four years).

There are 10 years in a decade.

There are 100 years in a century.

Number Patterns

There are 5 20's in 100 (and be able to count up to 500 in 20s).

There are 4 25's in a hundred (and be able to count up to 500 in 25s).

Therefore there are 4 250's in a 1000 and 4 2500's in 10,000 and 4 250,000's in 1000,000.

There are four main triangles you need to know about…

Equilateral. Equilateral triangles have 3 equal sides and 3 equal angles of 60°

Isosceles. Isosceles triangles have 2 equal sides and 2 equal angles.

Right-angled. 1 of the angles is a right angle (90°) in right-angled triangles.

Scalene. Scalene triangles have no equal sides and no equal angles.

Fractions and Decimals

½ can be written as a decimal fraction as 0.50 (usually seen as 0.5)

¼ can be written as a decimal fraction as 0.25

¾ can be written as a decimal fraction as 0.75

1/3 can be written as 0.33

Rounding is easy to do… 1,2,3,4 as the last number then round DOWN. 5.6.7.8.9 as the last number then round UP.

Practise mentally multiplying and dividing by 10 and 100.