Year 5 & 6 Maths information

This information is for you to support your child at home with simple facts they need to know to help them in maths.

Number facts

Children should know the meaning of these terms: Factors - Numbers that divide exactly into another number with no remainders (eg 6 has the factors: 1,2,3 and 6) Prime number - a number that has exactly two factors - 1 and itself. So the smallest prime number is 2 Square numbers - created when a number is multiplied by itself (eg 3² = 3 x 3 = 9)

Angles

Children should know that a protractor is used to measure angles 360° is one rotation

90° is a right angle

180° is sum of the angles in a triangle

Multiplication facts

Children should know all multiplication facts with quick recall to 12x12 and the related division facts. They should know that if:

8 x 7 = 56, then 8 x 70 = 560 and 8 x 0.7 = 5.6

<u>Circles</u>

Circumference - the distance around the outside Diameter - the distance across the circle, through the centre Radius - the distance from the centre to the circumference line

<u>Fractions, decimals</u>

and percentages

Children should understand that percent means 'out of 100'

0.67 = 67% = <u>67</u> 100

Cube numbers - created when a number is multiplied together three times (eg $5^3 = 5 \times 5 \times 5 = 125$)

Written calculations

These formal written methods build on those taught in earlier years and allow for multiplication and division of decimals

8.7 Х 4.8

 $5\frac{086.4}{04^{4}3^{3}2^{2}0}$