

YEAR 6 – Autumn Term Knowledge Organiser

Key Vocabulary:



Topics Covered: Multiplication and division, one-step equations, factors, prime numbers, multiples, square numbers, cube numbers, average, interpreting timetables, interpreting pie charts, perimeter, draw and measure angles using a protractor, ordering and calculating fractions, converting units of time, analogue and digital time

SQUARE NUMBERS UP TO 12 X 12 $4 \times 4 \text{ or } 4^2 = 16$ 0

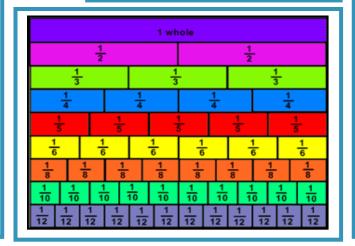
CUBE NUMBERS UP TO $10 \times 10 \times 10$ $1 \times 1 \times 1$ or $1^3 = 1$ $2 \times 2 \times 2 \text{ or } 2^3 = 8$ $3 \times 3 \times 3 \text{ or } 3^3 = 27$ $4 \times 4 \times 4 \text{ or } 4^3 = 64$ $5 \times 5 \times 5 \text{ or } 5^3 = 125$ $6 \times 6 \times 6 \text{ or } 6^3 = 216$ $7 \times 7 \times 7 \text{ or } 7^3 = 343$ $8 \times 8 \times 8 \text{ or } 8^3 = 512$ $9 \times 9 \times 9 \text{ or } 9^3 = 729$ $10 \times 10 \times 10$ or $10^3 = 1.000$

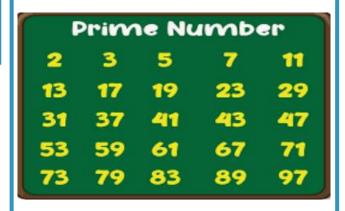
Partitioning – Splitting a number into parts. E.g. 15 can be split into 10 and 5.

Rounding – Making a number simpler but keeping its value close to what it was. E.g. 73 rounded to 10 = 70.

Mixed Number – A mixed number is a whole number and a proper fraction combined.

Place Value											
Millions			Thousands			Ones			Decimals		
Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
7	8	9	1	2	3	4	5	6	.7	8	9





Key Vocabulary:

Prime Numbers – A number that only has two factors - one and itself e.g. 7.

Square Numbers – The result when a number is multiplied by itself. 25 is a square number because $5 \times 5 = 25$.

Multiple – The number you get when you multiply one number by another. The multiples of 5 are 5, 10, 15, 20 etc.

Factors – A number that divides exactly into another number without a remainder. All even numbers have 2 as a factor.