How can I help my child?

Look for opportunities around you to help your child:

- Count everyday objects, sort them into groups.
- Look for numbers
- Share food, split it into fractions

- Measure things
- Use coins to pay for items
- Identify shapes, patterns and symmetry around you.

Where can I find more information?

There is lots of information available on the internet. Here are just some websites you might find helpful:

www.mathletics.co.uk (all children have subscriptions to this website)

www.mathsformumsanddads.co.uk

www.mathszone.co.uk

www.mathsisfun.com

www.topmarks.co.uk/maths-games

www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml

www.transum.org/Software/Tablesmaster/

www.crickweb.co.uk/ks2numeracy-multiplication.html

DB platform in the learning library

Our full maths calculation policy is available on our school's website.

Maths for Parents

Key Stage 1

What topics we cover in KS1.			
Number			
Number and place value **HTO Hundred, tens**	Addition and Subtraction + and -	Multiplication and division X and ÷	Fractions 1 2
Measures	Geometry	Statistics	

Mastery of maths—depth of their understanding

How do you know this? What do you need to do to solve this? How can you prove it? Explain your answer.

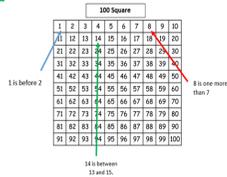| **Reasoning**	**Problem solving**
Explaining their thinking about which aspect of maths they can use to solve a problem .	Ability to solve everyday problems and puzzle.

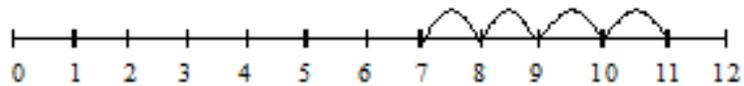# Key maths vocabulary and calculation methods for KS1

Number, Place Value

100 Square

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1 is before 2

8 is one more than 7

14 is between 13 and 15.

Hundred   Tens   Ones

1   4   7   = 147

Year 1 addition and subtraction
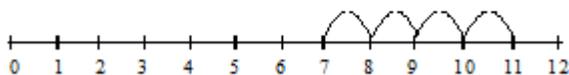
Addition

$7 + 4$

Recording by - drawing jumps on prepared lines

Subtraction

$11 - 7$

The difference between 7 and 11
(Counting on)

Year 2 addition and subtraction

Addition

Use the partitioned column method

$$\begin{array}{r} 20 + 3 \\ + \quad 10 + 4 \\ \hline 30 + 7 \end{array}$$

Move on to the formal column method in the summer term

$$\begin{array}{r} 23 \\ + 14 \\ \hline 37 \end{array}$$

Subtraction

Use the partitioned column method

T	O
20	4
− 10	3
10	1

Year 1 multiplication and division

Division

Sharing – 6 sweets are shared between 2 people. How many do they have each?

Grouping – There are 6 sweets. How many people can have 2 each? (How many 2's make 6?)

Multiplication

There are 3 sweets in one bag.
How many sweets are there in 5 bags?

(Recording on a number line modelled by the teacher when solving problems)
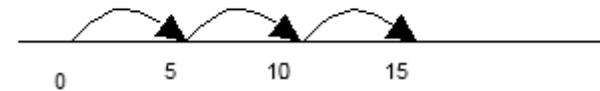
Use of bead strings to model groups of.
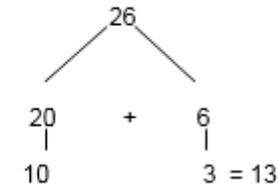
Year 2 multiplication and division

Division

Grouping using a number line – There are 15 sweets. How many people can have 5 each? (How many 5s make 15?)
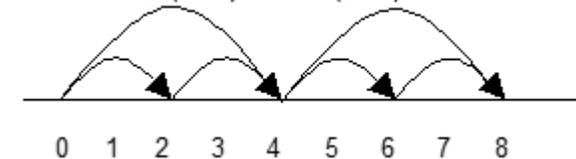
Halving by partitioning
$26 \div 2 = 13$

26
20 + 6
10   3 = 13

Multiplication

$2 + 2 + 2 + 2$ (4 x 2) or $4 + 4$ (2 x 4)

0 1 2 3 4 5 6 7 8

$15 \times 2 = 30$

Partition

15 x 2
20 + 10 = 30

or, set out as a grid...

x	10	5
2	20	10

Fractions

1   ½   ¼   ¾

$\frac{1}{2}$ of $6 = 3$

Geometry

2-D shapes

Triangle   Rectangle   Circle

3-D shapes

Cube   Cuboid   Cylinder   Cone   Sphere
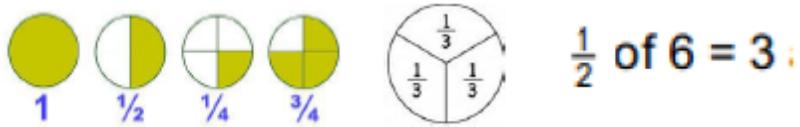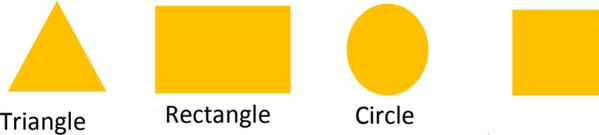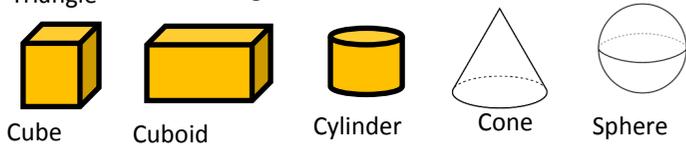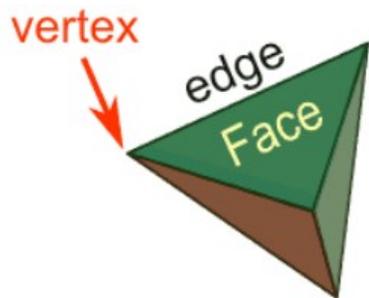
Year 2

Symmetry—when one shape, pattern or picture is the same on both sides if you split it equally.

A **vertex** (plural: **vertices**) is a point where two or more lines meet. It is a corner.
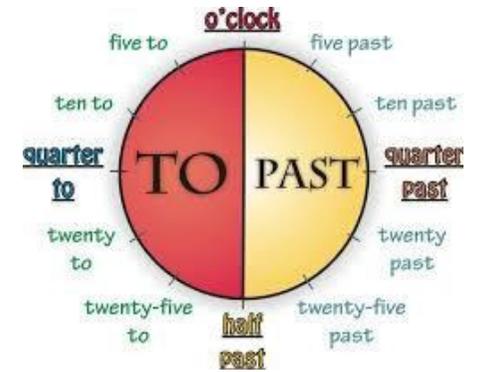
An edge is a line that joins two vertices.

A face is the flat surface on a a solid objects (e.g. a 3-D shape.)

vertex   edge   Face

Measure

Time

Monday   Friday

Tuesday   Saturday

Wednesday   Sunday

Thursday

o'clock

five to   five past

ten to   ten past

quarter to   TO   PAST   quarter past

twenty to   twenty past

twenty-five to   half past   twenty-five past

Different units of measure for length, capacity and mass

Length?   Capacity?   mass

cm, m

ml, l

g, kg

Coins and notes for money

1p   2p   5p   10p

20p   50p   £1   £2

Statistics

Pictogram   Tally chart   Block graph

Favorite Pets

Pet	Tally Marks	Number
	꠸꠸꠸꠸ ꠸꠸꠸꠸	10
	꠸꠸꠸	4
	꠸꠸꠸꠸ ꠸	6