Maths
Year Group: 3

Place Value

PLACE VALUE CHART

| HUNDREDS	TENS	ONES
1	1	1

Find 10 or 100 more or less.
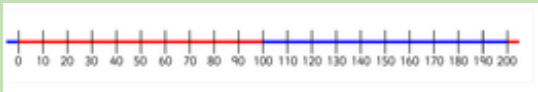
Numbers 100 ~ 1000

10	20	30	40	50	60	70	80	90	100
110	120	130	140	150	160	170	180	190	200
210	220	230	240	250	260	270	280	290	300
310	320	330	340	350	360	370	380	390	400
410	420	430	440	450	460	470	480	490	500
510	520	530	540	550	560	570	580	590	600
610	620	630	640	650	660	670	680	690	700
710	720	730	740	750	760	770	780	790	800
810	820	830	840	850	860	870	880	890	900
910	920	930	940	950	960	970	980	990	1000

Count up and down in tenths

$\frac{1}{4} = 0.25$ $\frac{1}{2}$ $\frac{3}{4} = 0.75$
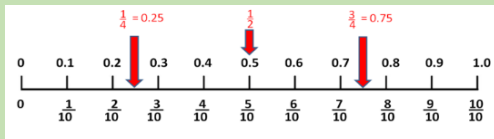
Number Knowledge

Multiplication Square

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Numeracy Words

Add	Subtract	Multiply	Divide
together addition sum increase plus total	difference subtraction take way minus decrease reduce	multiplied by groups of times multiple lots of product	divisible by goes into share division group divide by

Read **Roman numerals** to 12
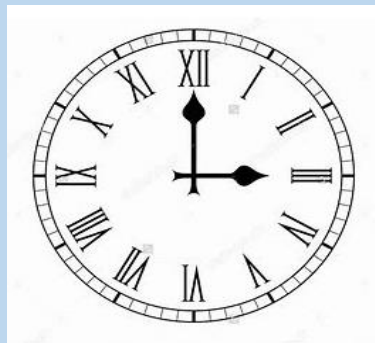
Calculation

Add and **subtract** 3-digit numbers.

```
  8 7 6
+ 5 5 5
-------
1 4 3 1
```

```
  9 5 8
- 2 2 6
-------
  7 3 2
```

Multiply numbers up to 2-digits by a 1-digit number

×	1	0	3	
4	4	0	1 2	= 5 2

```
  9 3
×   3
-----
2 7 9
```

Divide mentally

72 ÷ 3

30 (3 x 10)   30 (3 x 10)   12 (3 x 4)

0   30   60   72

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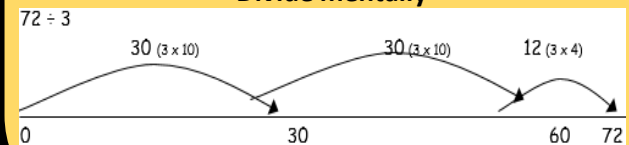
Shape
Perimeter
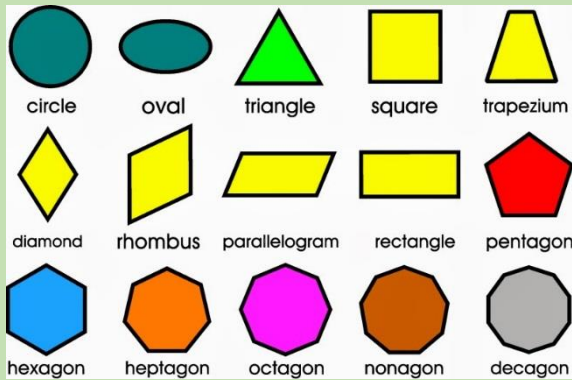
What is Perimeter?

The perimeter is the distance all the way around the outside of a 2D shape.

2D shape

circle | oval | triangle | square | trapezium

diamond | rhombus | parallelogram | rectangle | pentagon

hexagon | heptagon | octagon | nonagon | decagon

Telling the time

quarter past one | half past one | quarter to one

Fractions

Recognise equivalent fractions

1 WHOLE

$\frac{1}{2}$ | $\frac{1}{2}$

$\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$

$\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$

$\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$

$\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$

$\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$ | $\frac{1}{12}$

Add and subtract fractions with the same denominator

The right way

$\frac{1}{4}$ | $\frac{1}{4}$
$\frac{1}{4}$ | $\frac{1}{4}$

$$\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$$

Fractions of amounts

Half of 6 = 3

Half of 18 = 9

Half of 10 = 5

Half of 14 = 7

Half of 2 = 1

Measure
Add and subtract money

Pounds and Pence

Pence	1p	2p	5p	10p	20p	50p
Pounds	£1	£2	£5	£10	£20	£50

Angles

Right angles

90°