

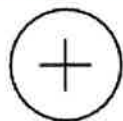
# HORIZONTAL

V  
E  
R  
T  
I  
C  
A  
L

## Key Words

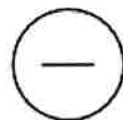
### Addition

- Add
- Altogether
- And
- Increase
- Combined
- Sum
- Plus
- both



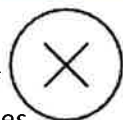
### Subtraction

- Decrease
- Difference
- Fewer
- Less
- Minus
- Subtract
- Take away



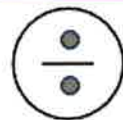
### Multiplication

- Multiply
- Group of / Lots of
- Times/ Times tables
- Product



### Division

- Divide
- Equal parts
- Share



## Inequalities

<	Less than
≤	Less than or equal to
>	Greater than
≥	Greater than or equal to

## Negative Number Rules

+++ +  
+- = -  
-+ = -  
-- = +

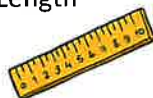
## Numeracy Help Sheet

### Numbers 1-100

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

## Metric Measurements

### Length



1kilometre (km) = 1000 metres (m)  
1 metre (m) = 100 centimetres (cm)  
1centimetre (cm) = 10 millimetres (mm)

### Mass



1 tonne (t) = 1000 kilograms (kg)  
1 kilogram (kg)= 1000 grams (g)  
1 gram (g) = 1000 milligrams (mg)

### Capacity



1litre (l) = 1000 millilitres (ml)  
or 100 centilitres (cl)  
1 centilitre (cl) = 10 millilitres (ml)

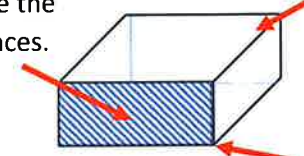
## Place Value

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units	Tenths	Hundredths	Thousandths
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## Multiplication Grid

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Faces are the flat surfaces.



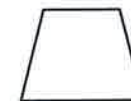
Edges are where the two faces meet

Vertex is another word for corner. The plural is vertices.

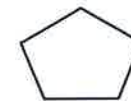
## Polygons



Triangle



Quadrilateral



Pentagon



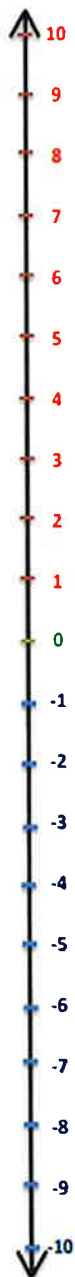
Hexagon



Octagon

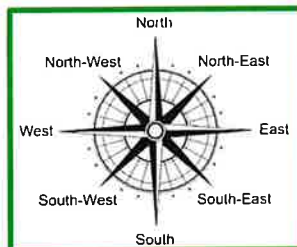


Decagon

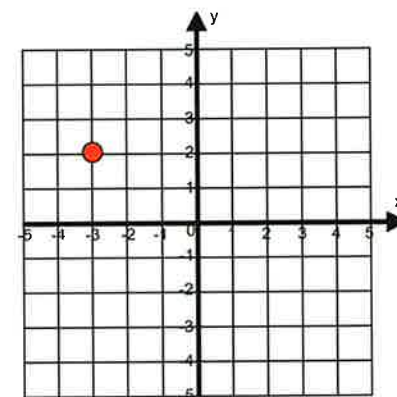


Season	Month	Number of Days
Winter	December	31
	January	31
	February	28 (29 in leap year)
Spring	March	31
	April	30
	May	31
Summer	June	30
	July	31
	August	31
Autumn	September	30
	October	31
	November	30

Days of the week
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday



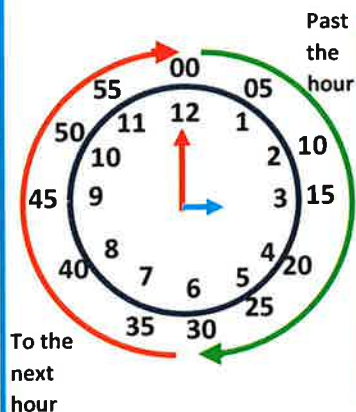
Fraction Table									
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
1									



**Co-ordinates** are written as (x, y) where x is the horizontal value and y is the vertical value on the axis.

The red circle is showing the co-ordinate (-3, 2)

The long hand (shown in red) shows the minutes. The short hand (shown in blue) shows the hour.



Time
1 minute = 60 seconds
1 hour = 60 minutes
1 day = 24 hours
1 week = 7 days
1 year = 52 weeks/365 days (366 in leap year)
1 Decade = 10 years
1 Century = 100 years
1 Millennium = 1000 years

### Graphs must have:

#### Pie charts

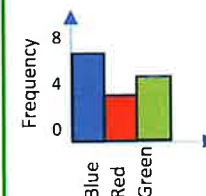
Year 8's favourite colour



- \*A title
- \*Labels or a key

#### Bar chart

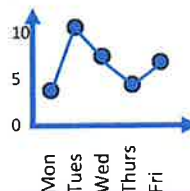
A Bar chart to show Year 8's favourite colour



- \*A title
- \*Axes labelled/numbered
- \*Titles on axes
- \*Bars which are the same width

#### Line graph

A Graph to show the temperature over 5 days.



- \*A title
- \*Axes labelled/numbered
- \*Titles on axes
- \*Points joined with a straight line

#### Pictograms

Pupils favourite colours



Key: ● = 2 people

- \*A title
- \*A Key
- \*Labels
- \*Pictures (which are the same size and evenly spaced out)