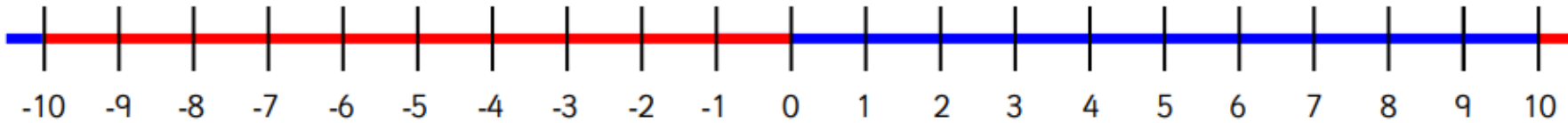
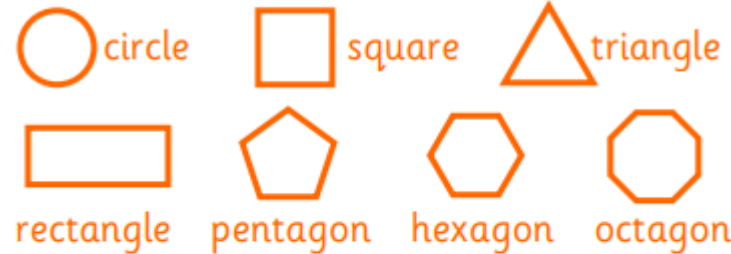


Longshaw Juniors Upper Key Stage 2 Maths Knowledge Organiser

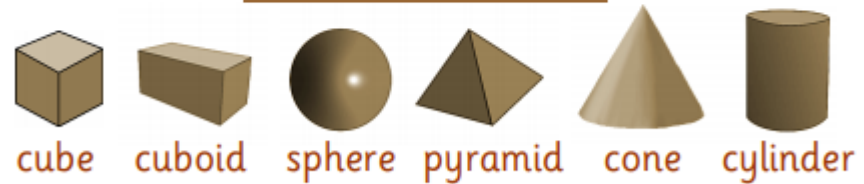


1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

2D Shapes (Polygons)



3D Shapes



faces = flat sides  
edges = where two faces meet  
vertices = where three or more sides meet (corners)

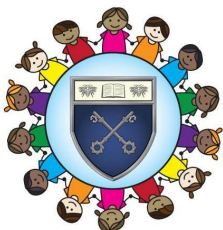


**+**  
add  
altogether  
total  
plus  
increase  
more than  
sum

**-**  
take away  
subtract  
minus  
difference between  
decrease  
reduce  
fewer

**x**  
times by  
multiply by  
lots of  
groups of  
product of

**÷**  
divided by  
shared between  
divided into  
divisible by  
shared equally



**length**

1 centimetre (cm) = 10 millimetres (mm)  
1 metre (m) = 100 centimetres  
1 kilometre (km) = 1,000 metres

**weight**

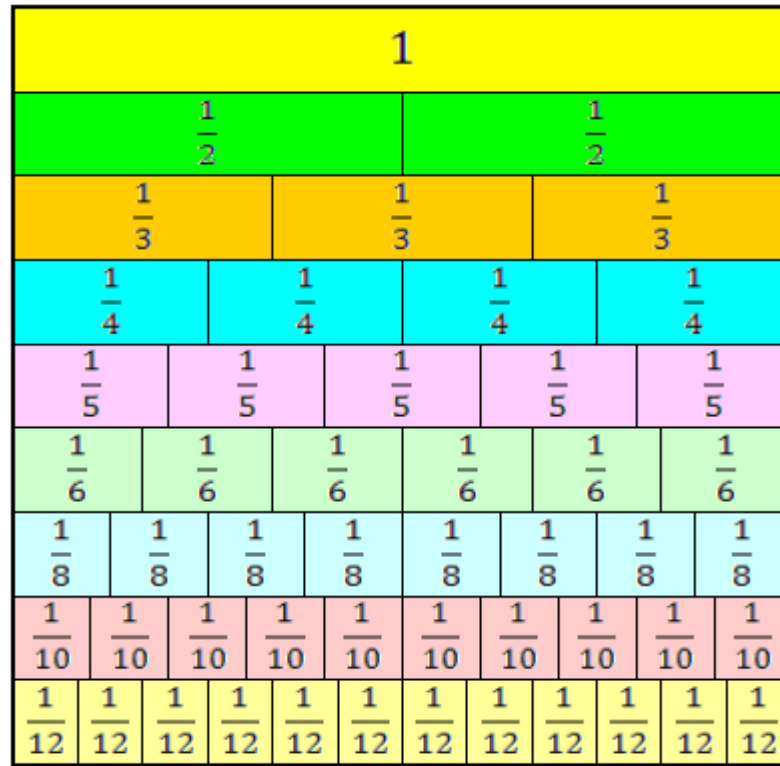
1 kilogram (kg) = 1,000 grams (g)  
1 tonne = 1,000 kilograms

**capacity**

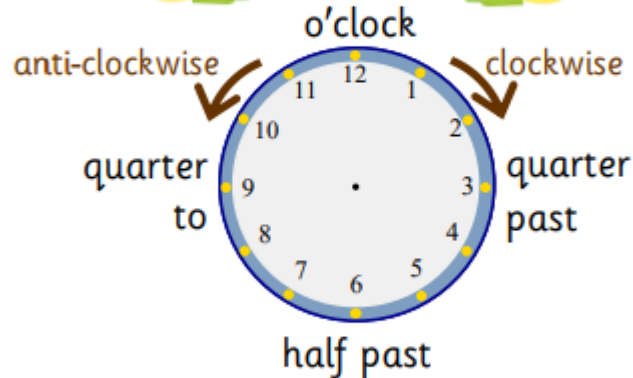
1 litre (l) = 1,000 millilitres (ml)  
1 litre = 1,000cm<sup>3</sup>  
1cm<sup>3</sup> = 1 ml



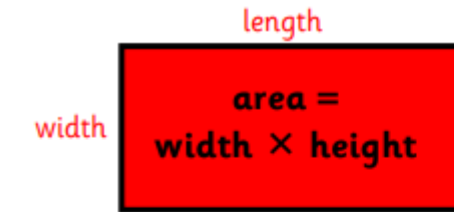
X	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40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



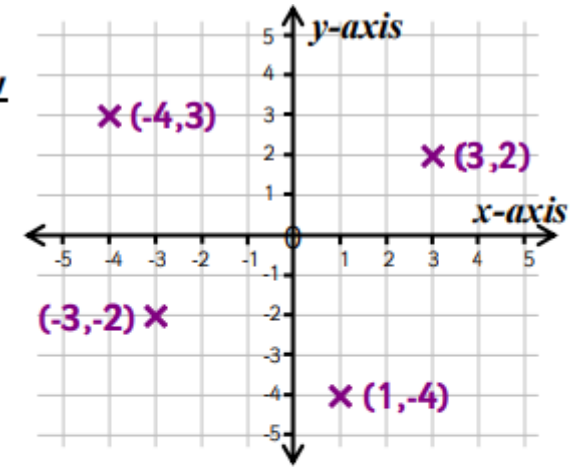
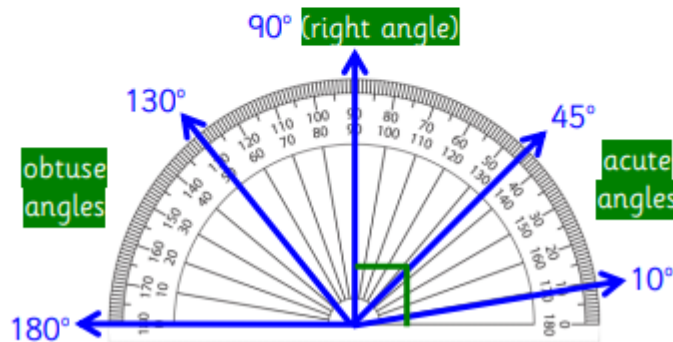
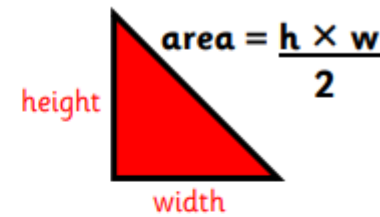
Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	50%
$\frac{1}{3}$	$0.\dot{3}$	$33.\dot{3}\%$
$\frac{2}{3}$	$0.\dot{6}$	$66.\dot{6}\%$
$\frac{1}{4}$	0.25	25%
$\frac{3}{4}$	0.75	75%
$\frac{1}{5}$	0.2	20%
$\frac{1}{10}$	0.1	10%



3am = 0300    6:30am = 0600    9:45am = 0900  
 3pm = 1500    6:30pm = 1830    9:45pm = 2145



perimeter = width + width + length + length



+ × + = +	5 × 6 = 30
+ × - = -	5 × -6 = -30
- × + = -	-5 × 6 = -30
- × - = +	-5 × -6 = 30