



Year 2 Knowledge Mat



Numerals and Number Vocabulary

0	zero	10	ten
1	one	20	twenty
2	two	30	thirty
3	three	40	forty
4	four	50	fifty
5	five	60	sixty
6	six	70	seventy
7	seven	80	eighty
8	eight	90	ninety
9	nine	100	one hundred

Counting

Count forwards and backwards from **any number in steps of 2**

Count forwards and backwards from **any number in steps of 3**

Count forwards and backwards from **any number in steps of 5**

Count forwards and backwards from **any number in steps of 10**

Times Tables

x	2	5	10
1	2	5	10
2	4	10	20
3	6	15	30
4	8	20	40
5	10	25	50
6	12	30	60
7	14	35	70
8	16	40	80
9	18	45	90
10	20	50	100
11	22	55	110
12	24	60	120

Fractions

$\frac{1}{2}$	a half
$\frac{1}{4}$	a quarter
$\frac{3}{4}$	three quarters
$\frac{1}{2} =$ two quarters	
You can calculate fractions of numbers:	
$\frac{1}{2}$ of 20 is 10. This is the same as dividing 20 by 2.	
$\frac{1}{4}$ of 20 is 5. This is the same as dividing 20 by 4.	

Place Value

2 Digit Place value	Tens	Ones
Example 56 is	5	6
99	9	9
7	0	7

Symbols and Vocabulary

x	multiply, times
÷	divide
<	is less than
>	is greater than
=	is equal to



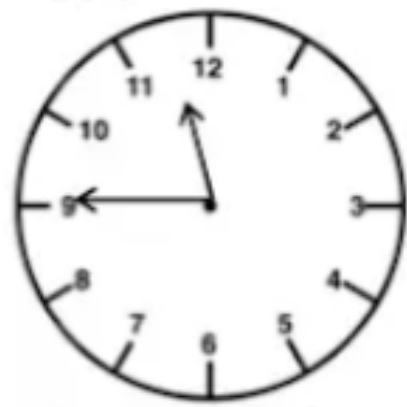
Time

There are **24 hours** in a day

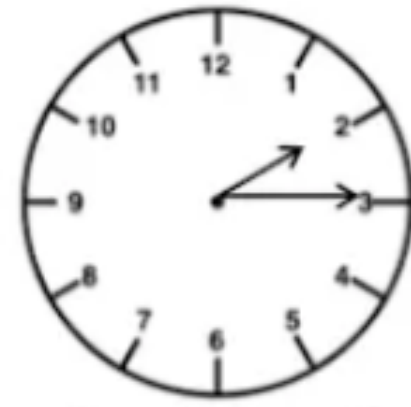
There are **60 minutes** in an hour and a clock shows these in **5 minute intervals**

Quarter to is when the minute hand points to the 9 and the hour hand nearly points at the hour.

Quarter past is when the minute hand points to the three and the hour hand points past just the hour.



Quarter to 12

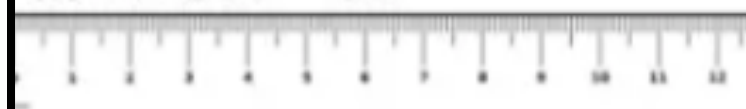


Quarter past 2



Measurement Language

Metre m
Centimetre cm



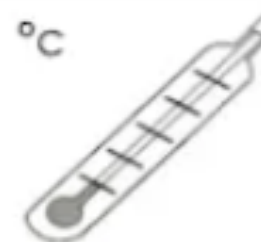
Kilogram kg
Gram g



Litre l
Millilitre ml



Degrees centigrade °c



2D Shapes

Quadrilaterals have four sides



Parallelogram



Isosceles Trapezoid



Rectangle



Square



Trapezoid



Rhombus



Kite

A polygon is a 2D shape with straight sides



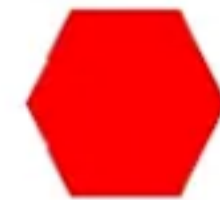
Triangle



Quadrilateral



Pentagon



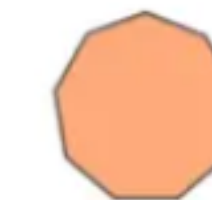
Hexagon



Heptagon



Octagon

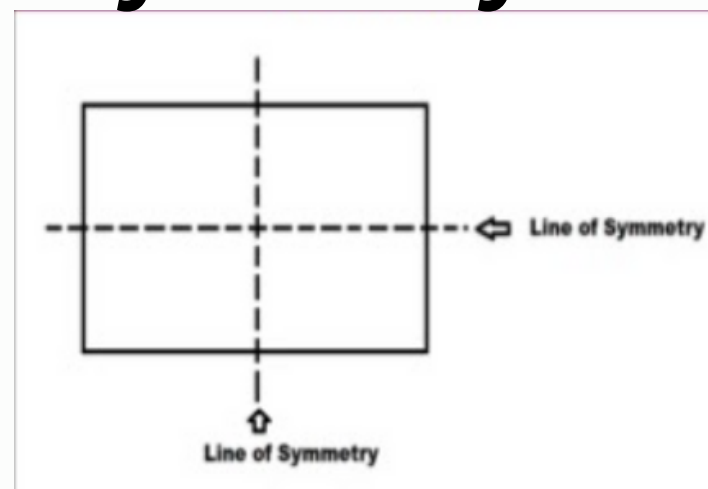


Nonagon



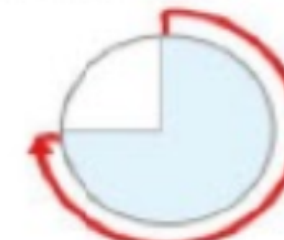
Decagon

Symmetry



Directional Language

Quarter turn is 1 right angle
 $\frac{3}{4}$ turn is 3 right angles



3D Shapes

Faces, edges and vertices

