



# 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.	

## Symbols and Vocabulary

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

## Place Value

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



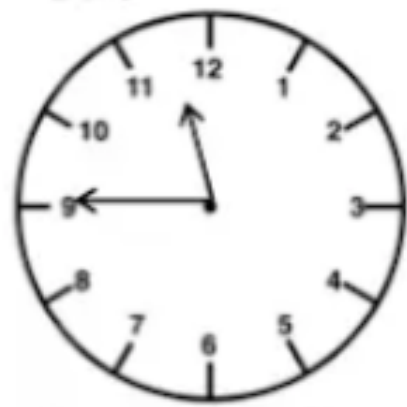
# Time

There are **24 hours** in a day

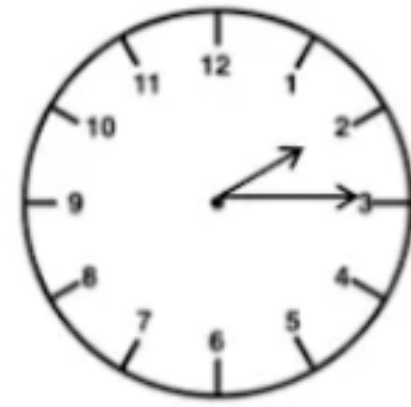
There are **60 minutes** in an hour and a clock shows these in **5 minute intervals**

**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

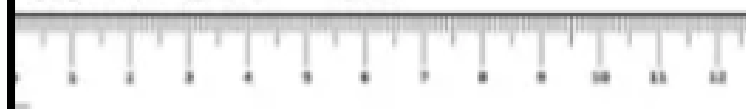


Quarter past 2

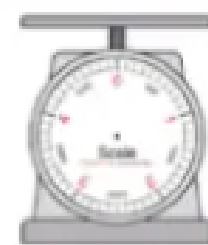


# Measurement Language

Metre m  
Centimetre cm



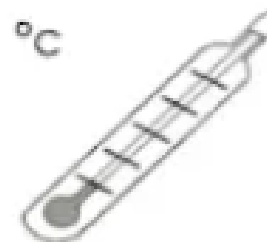
Kilogram kg  
Gram g



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



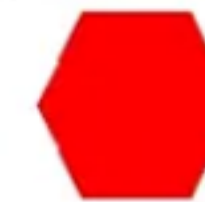
Triangle



Quadrilateral



Pentagon



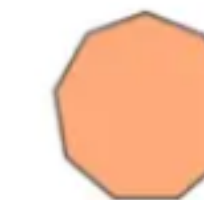
Hexagon



Heptagon



Octagon

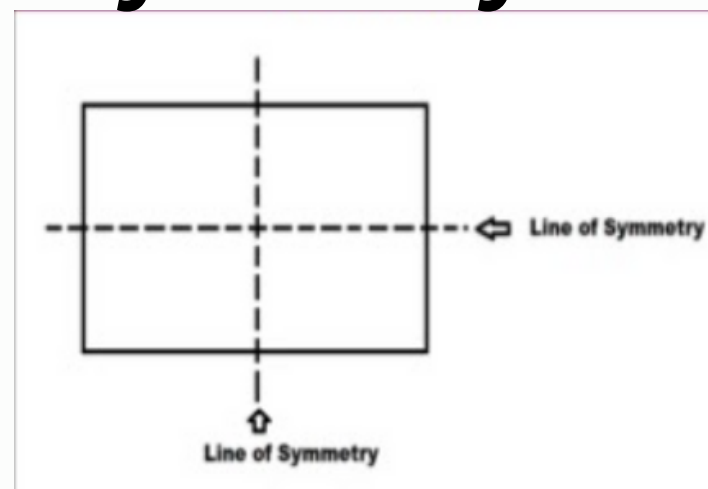


Nonagon



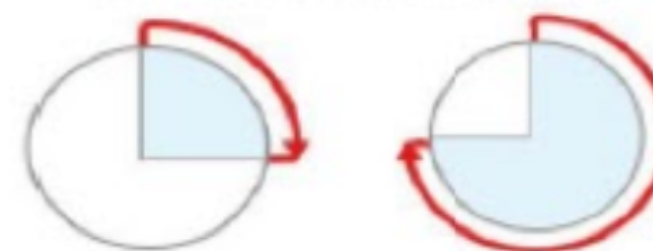
Decagon

# Symmetry



# Directional Language

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



# 3D Shapes

Faces, edges and vertices

