Year 2 Maths SATs Knowledge Organiser
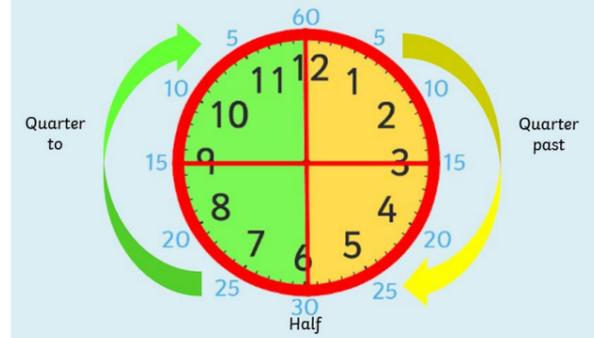
Place Value

This is a ten
(T)

This is a one
(O)

Place Value of 37

T	O
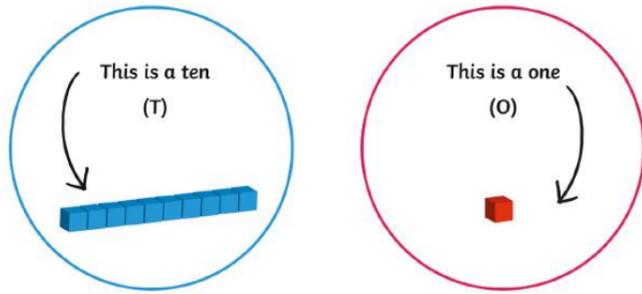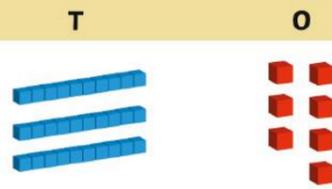
Time

- 60 minutes in an hour
- 24 hours in a day from 7 in the morning to 7 then next morning
- Counting in 5 minutes

Quarter to

Quarter past

Half

Adding

34 + 23 = 57

+20   +3

34   54   57

Subtracting

47 – 23 = 24

-3   -10   -10

24 27   37   47

Multiplication x Division ÷

2, 3, 5 and 10 tines tables.

Repeated Addition
2 + 2 + 2 + 2 + 2 + 2 + 2 = 14
7 lots of 2 = 14
7 x 2 = 14

●●●●   4 × 2 = 8
●●●●

●●
●●   2 × 4 = 8
2 × 4 = 8

4 × 2 = 8

4 × 5 - 20   20 ÷ 5 = 4
5 × 4 = 20   20 ÷ 4 = 5

Division is sharing in equal groups.

Measurement

Length & height
Metres   m
Centimetres   cm

Mass
Kilograms   kg
Grams   g

Temperature
Degrees   °C
centigrade

Capacity (liquid)
Litres   l
Millilitres   ml

Money
Pounds   £

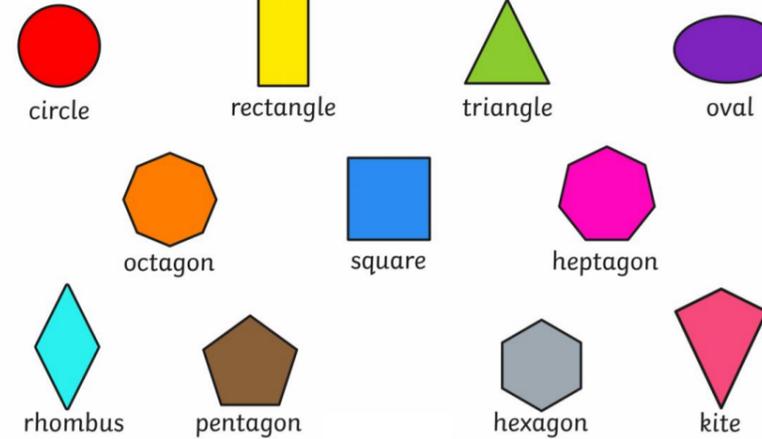## Shape

Edge – where two or more faces meet on a 3D shape
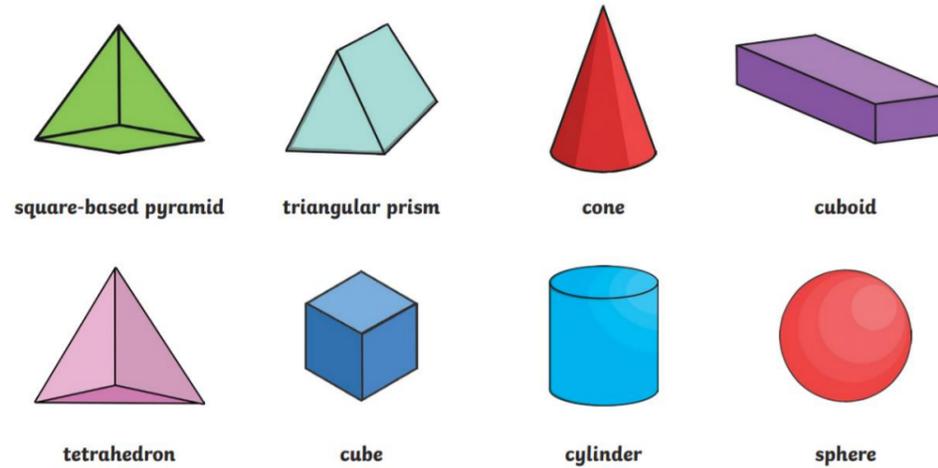Side – edge of a 2D shape
Face – the flat surface of a 3D shape
Vertex – a point where two or more lines meet (corner)
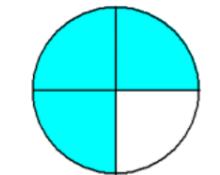Vertices – more that 1 vertex

2D Shapes

circle   rectangle   triangle   oval

octagon   square   heptagon

rhombus   pentagon   hexagon   kite

3D Shapes

square-based pyramid   triangular prism   cone   cuboid

tetrahedron   cube   cylinder   sphere

Direction

These arrows show **clockwise** direction.

These arrows show **anticlockwise** direction.

Clockwise is the same direction the hands of a clock move.

Anticlockwise is the opposite direction to which the hands of a clock move.
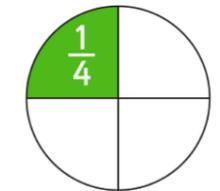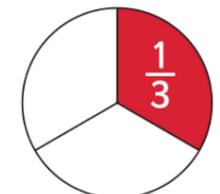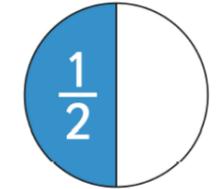
Greater than   >

Less than   <

Equal to   =

Fractions

Numerator – the top number that shows you how many equal parts.

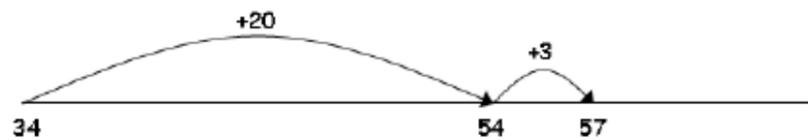Denominator – the bottom number that shows you how many equal parts to split the number into.
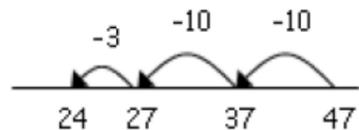
$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

½ is the same as 2/4

Data and Statistics

table   tally   represent

tally chart   least common

block diagram   total

Type of Transport	Number Seen

list

compare   block graph

least popular   count

most popular

pictogram   label   set

sort   most common