The Redeemer C. of E. Primary School

Year 2 Mathematics Core Knowledge Organiser

Times Tables (10x)

1 x 10 = 10	7 x 10 = 70
2 x 10 = 20	8 x 10 = 80
3 x 10 = 30	9 x 10 = 90
4 x 10 = 40	10 x 10 =100
5 x 10 = 50	11 x 10 =110
6 x 10 = 60	12 x 10 = 120

Times Tables (5x)

1 x 5 = 5	7 x 5 = 35
2 x 5 = 10	8 x 5 = 40
3 x 5 = 15	9 x 5 = 45
4 x 5 = 20	10 x 5 = 50
5 x 5 = 25	11 x 5 = 55
6 x 5 = 30	12 x 5 = 60

Times Tables (2x)

1 x 2 = 2	7 x 2 = 14
2 x 2 = 4	8 x 2 = 16
3 x 2 = 6	9 x 2 = 18
4 x 2 = 8	10 x 2 = 20
5 x 2 = 10	11 x 2 = 22
6 x 2 = 12	12 x 2 = 24

Number Bonds 20

11 + 1 = 12
12 + 1 = 13
13 + 1 = 14
14 + 1 = 15
15 + 1 = 16
16 + 1 = 17
17 + 1 = 18
18 + 1 = 19
19 + 1 = 20

Number Facts

odd numbers

Odd numbers are not divisible by 2. The ones digit in an odd number is 1, 3, 5, 7 or 9

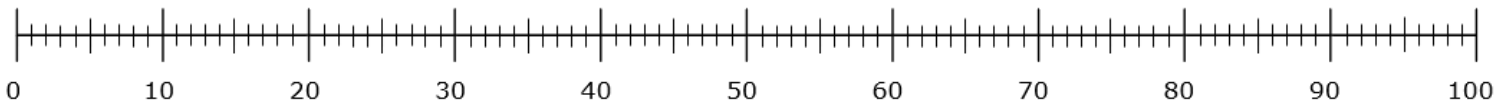
Example:
31 45 69

even numbers

Even numbers are divisible by 2.
The ones digit in an even number is 0, 2, 4, 6 or 8

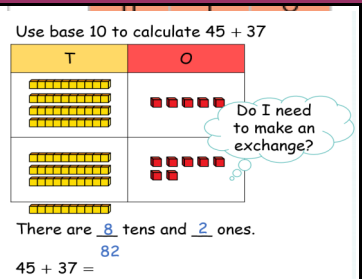
Example:
32 16 48

Number Line

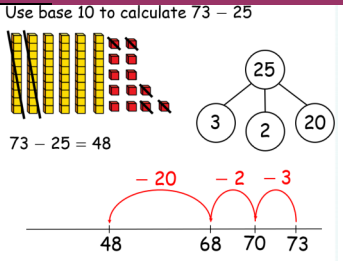


Counting forwards (up) and backwards (down) in 10s, 5s, 2s...

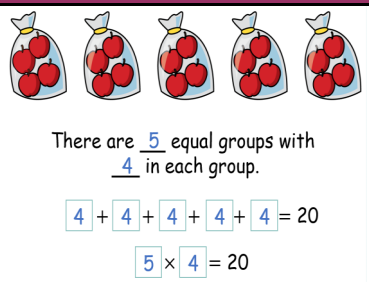
Addition



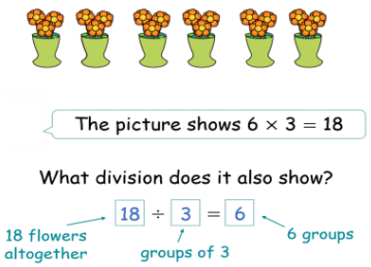
Subtraction



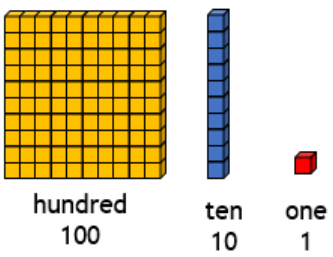
Multiplication

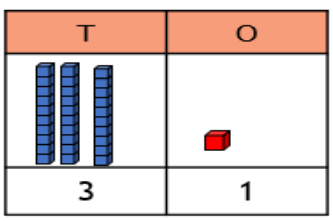


Division

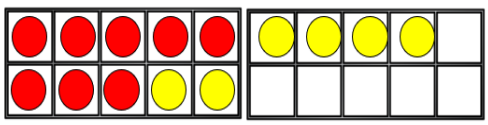


Place Value





Fact Families



8 + 6 = 14
6 + 8 = 14
14 = 8 + 6
14 = 6 + 8

Double and near doubles

1 + 1 = 2	1 + 2 = 3
2 + 2 = 4	2 + 3 = 5
3 + 3 = 6	3 + 4 = 7
4 + 4 = 8	4 + 5 = 9
5 + 5 = 10	5 + 6 = 11
6 + 6 = 12	6 + 7 = 13
7 + 7 = 14	7 + 8 = 15
8 + 8 = 16	8 + 9 = 17
9 + 9 = 18	9 + 10 = 19
10 + 10 = 20	10 + 11 = 21

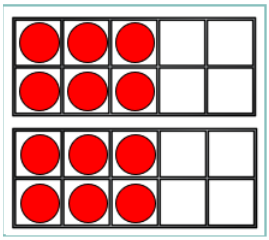
Fractions

There are 3 equal parts.

There is 1 part circled.

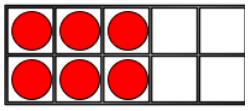
$\frac{1}{3}$ is circled.

Half of 12 = 6

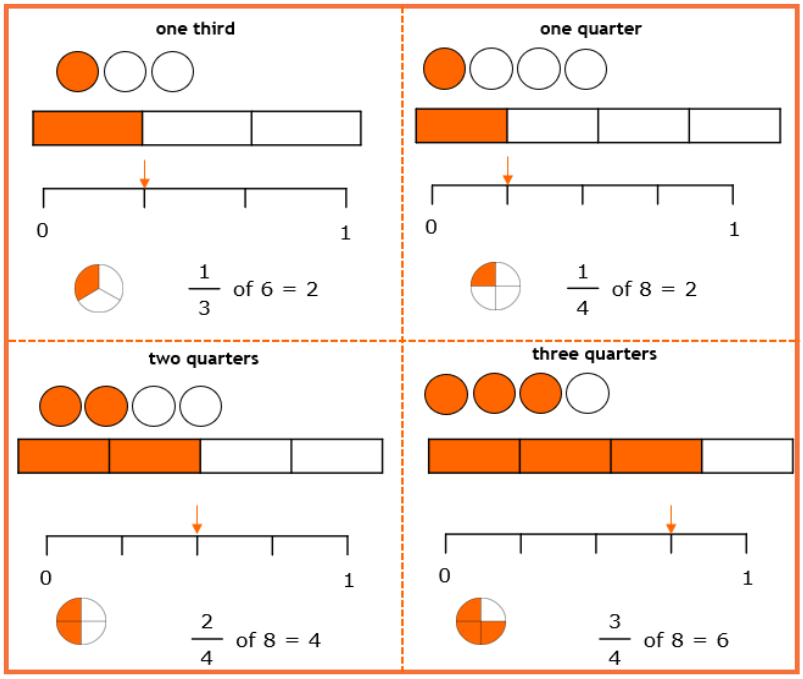


halve

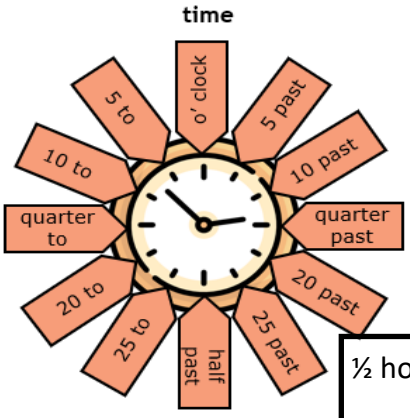
double



Fractions of shapes and quantities



Time

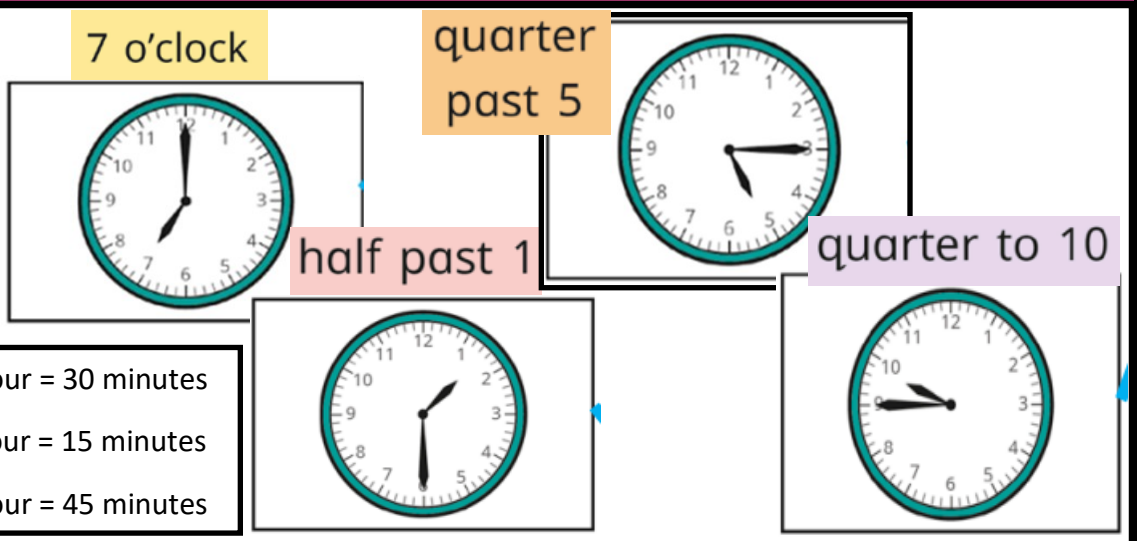


1 minute = 60 seconds
1 hour = 60 minutes
1 day = 24 hours

½ hour = 30 minutes

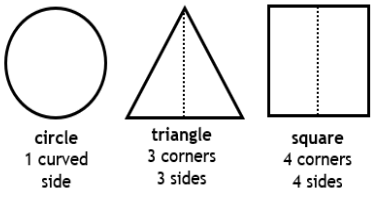
¼ hour = 15 minutes

¾ hour = 45 minutes



Geometry : 2D and 3D shapes

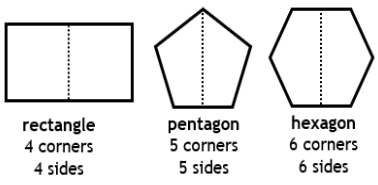
2D shapes



circle
1 curved side

triangle
3 corners
3 sides

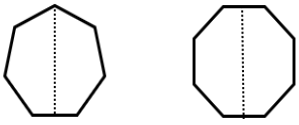
square
4 corners
4 sides



rectangle
4 corners
4 sides

pentagon
5 corners
5 sides

hexagon
6 corners
6 sides



heptagon
7 corners
7 sides

octagon
8 corners
8 sides

properties of 3D shapes

face
the flat surface of a 3D shape

edge
where two faces on a shape meet

vertex (plural: vertices)
a point or corner where edges meet

cube
6 square faces
12 edges
8 vertices

cuboid
6 faces
12 edges
8 vertices

cone
1 circular face
1 curved surface
1 curved edge
1 apex

cylinder
2 circular faces
1 curved surface
2 curved edges
0 vertices

triangular prism
5 faces
9 edges
6 vertices

sphere
1 curved surface
0 edges
0 vertices

Money

100 p

100 p

100 p