

MATHS KNOWLEDGE ORGANISER - YEAR 1

Operations



$$4 + 3 = 7$$

Three added to four equals seven.



$$7 - 2 = 5$$

Seven subtract two equals five.



$$4 \times 3 = 12$$

$$3 \times 4 = 12$$

Four times three equals twelve.

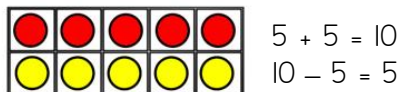
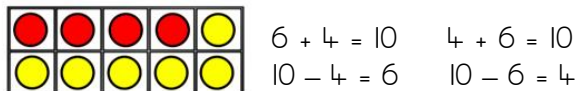
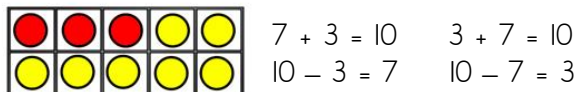
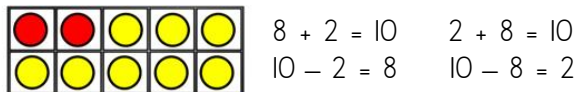
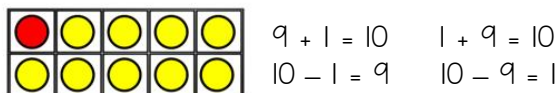
Three times four equals twelve.



$$10 \div 2 = 5$$

Ten divided by two equals five

Number bonds to 10



Measure

Length



centimetres (cm)



metres (m)



kilometres (km)

Mass



lighter

heavier

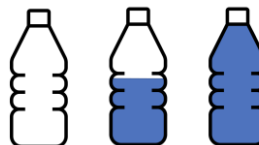


grams (g)



kilograms (kg)

Capacity / Volume



empty

full



millilitres (ml)



litres (l)

Money



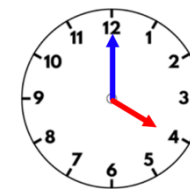
Months of the year

January
February
March
April
May
June
July
August
September
October
November
December

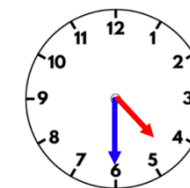
Days of the week

Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

Time



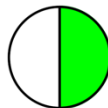
Minute hand on the 12
Hour hand on the 4
4 o'clock



Minute hand on the 6
Hour hand between 4 and 5
Half past 4

Fractions

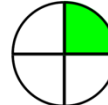
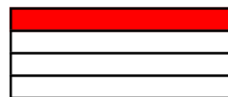
Half



$$\frac{1}{2}$$

The whole is split into two equal parts

Quarter



$$\frac{1}{4}$$

The whole is split into four equal parts

2D Shapes

Rectangle



Square



Triangle

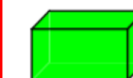


Circle



3D Shapes

Cuboid



Cube



Pyramid



Sphere



Direction

Forward



Backward



Turn left



Turn right



Clockwise



Anticlockwise



$\frac{1}{4}$ turn

$\frac{1}{2}$ turn

$\frac{3}{4}$ turn

Place Value Counting to 100

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

Naming numbers

1	one
2	two
3	three
4	four
5	five
6	six
7	seven
8	eight
9	nine
10	ten
11	eleven
12	twelve
13	thirteen
14	fourteen
15	fifteen
16	sixteen
17	seventeen
18	eighteen
19	nineteen
20	twenty

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Counting in 2s Numbers are even

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

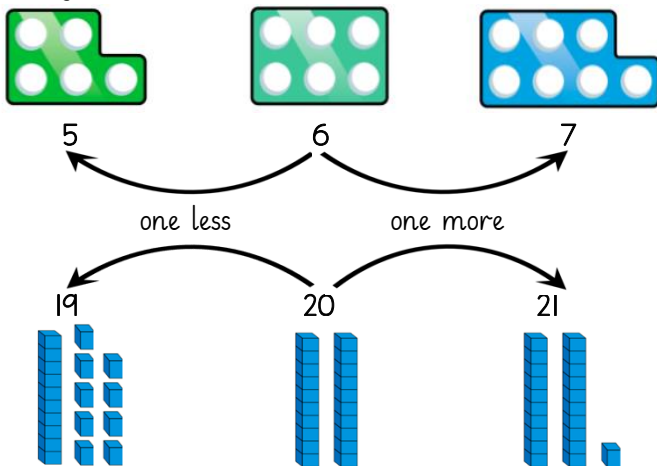
Counting in 5s Numbers end in 5 or 0

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

Counting in 10s Numbers end in 0

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

Counting on and back



Comparing



Rosie has **MORE** than Harry.
Rosie has **MOST**.

Harry has **LESS** than Rosie.
Harry has **LEAST**.

Two-digit numbers

37

