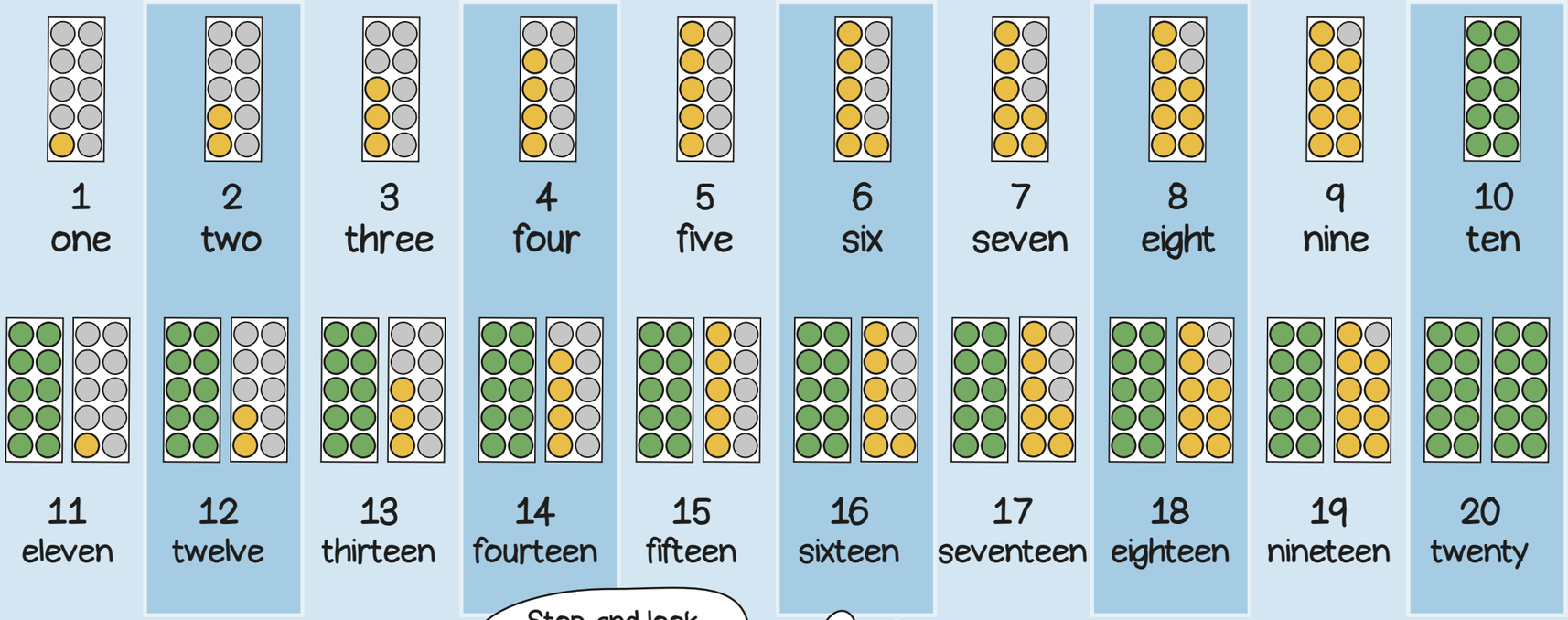
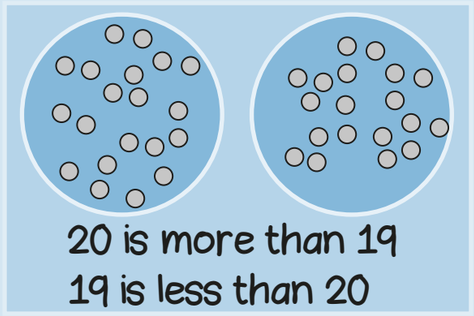
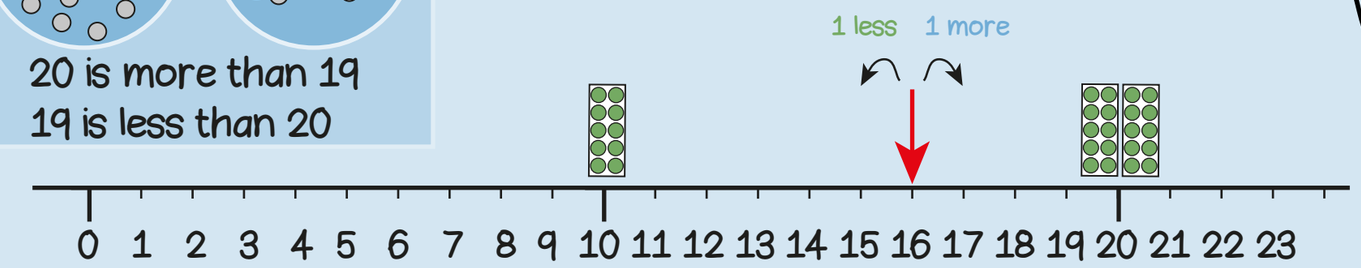
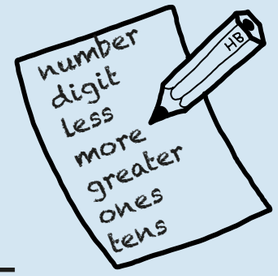


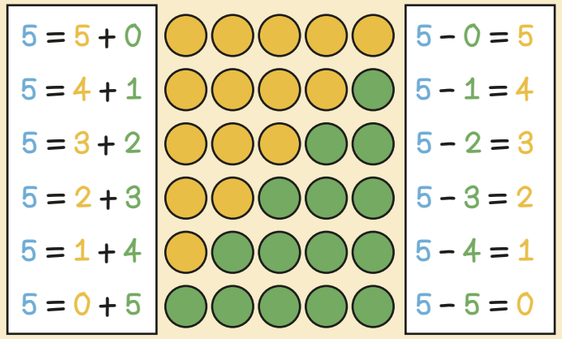


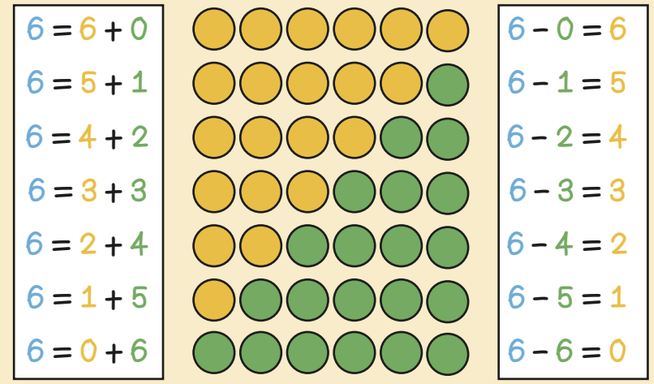
1 less than 16 is 15

1 more than 16 is 17

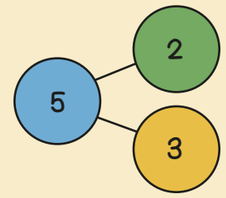


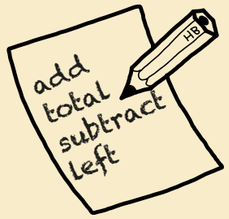


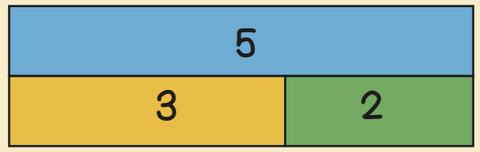




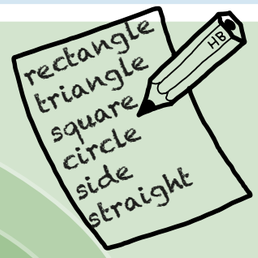
5 is the whole
2 is a part
3 is a part



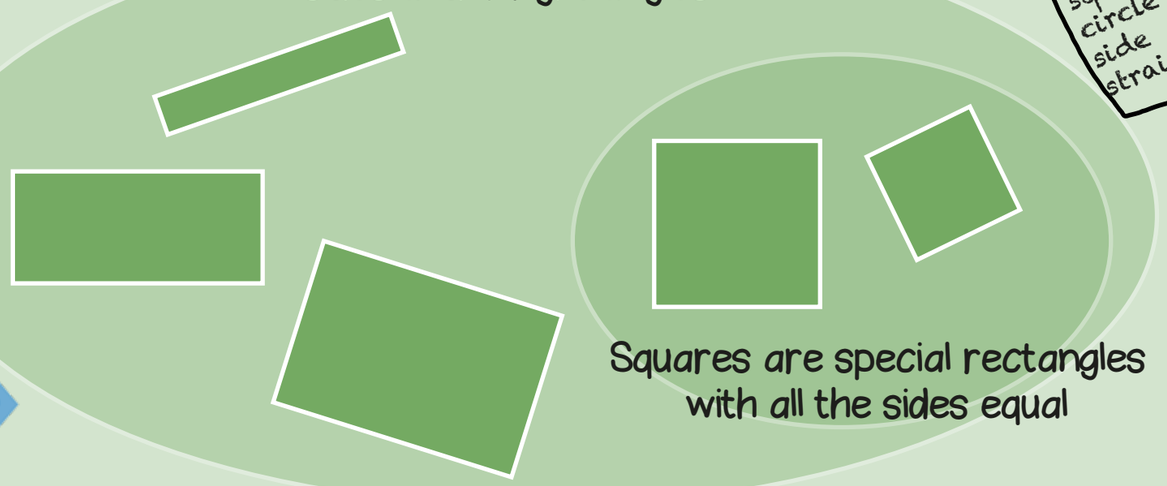




Year 1 Term 1

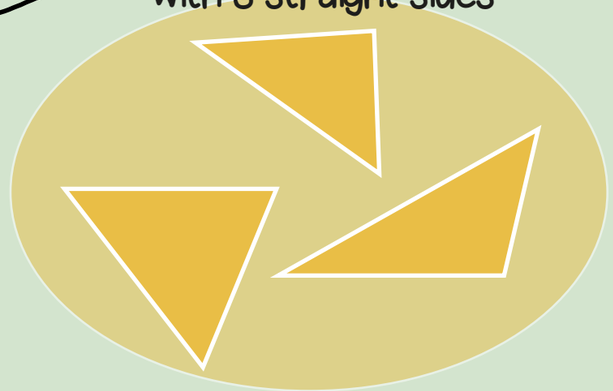


Rectangles are 2D shapes with 4 straight sides and 4 right angles

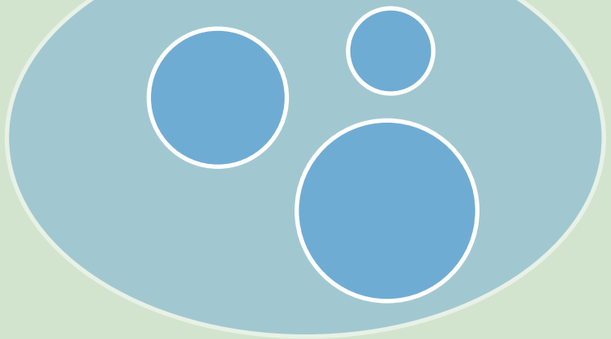


Squares are special rectangles with all the sides equal

Triangles are 2D shapes with 3 straight sides



Circles are 2D shapes where the distance from the centre to the edge is always the same



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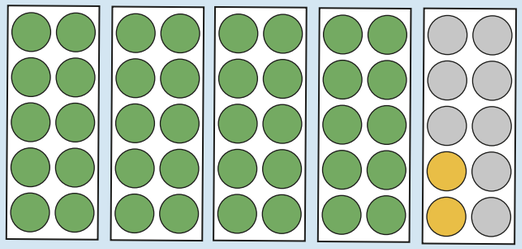
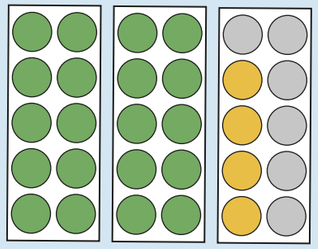


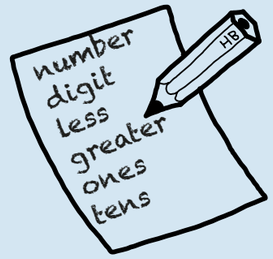
42
forty-two
4 tens and 2 ones

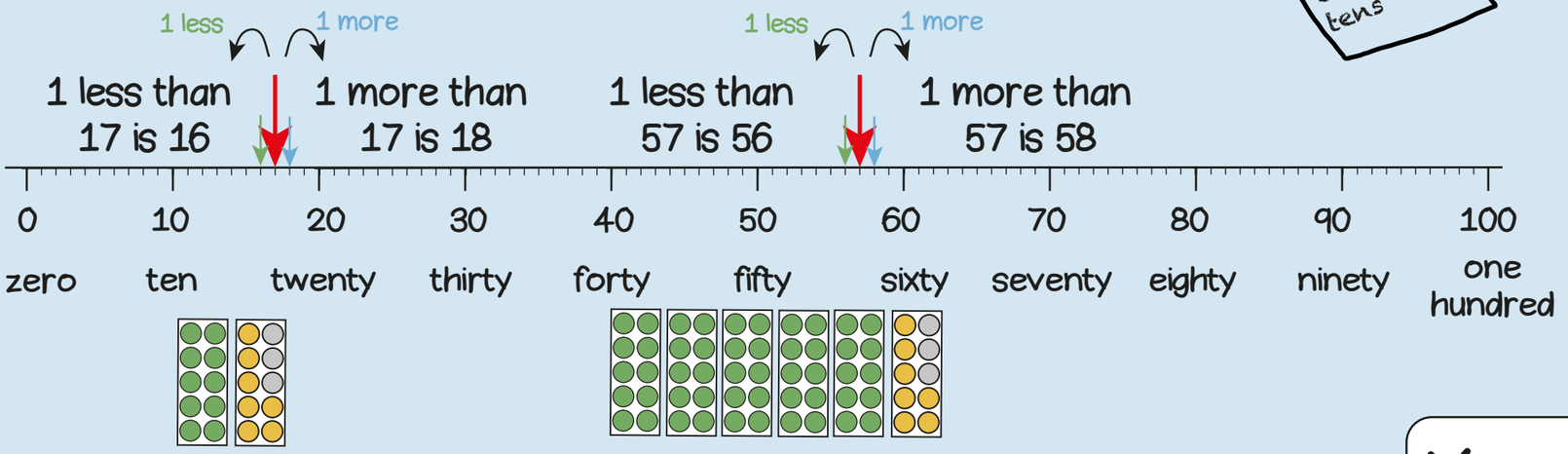


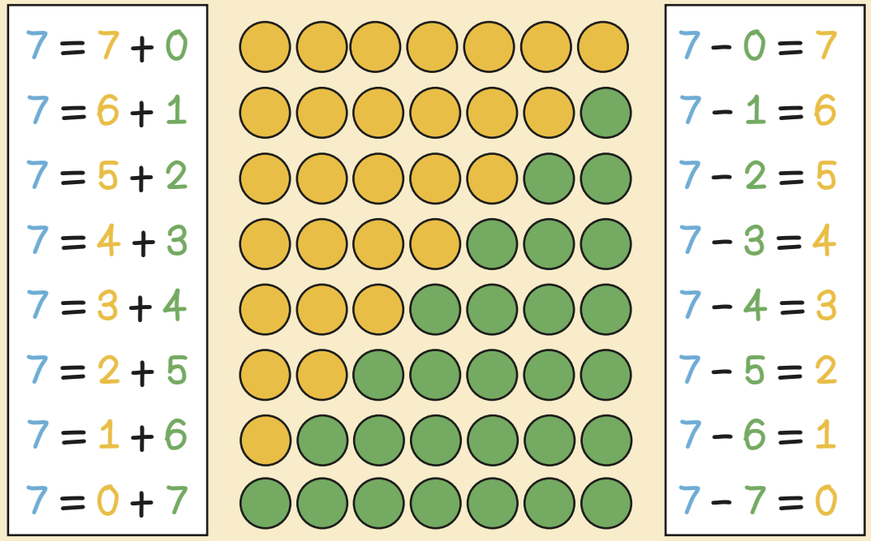
24
twenty-four
2 tens and 4 ones

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

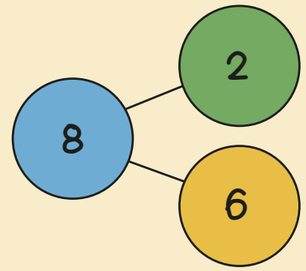
42 is more than 24 so
24 is less than 42

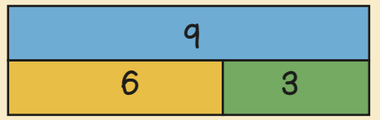


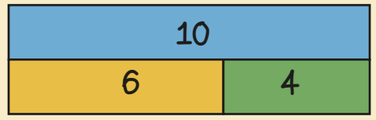




8 is the whole
2 is a part
6 is a part

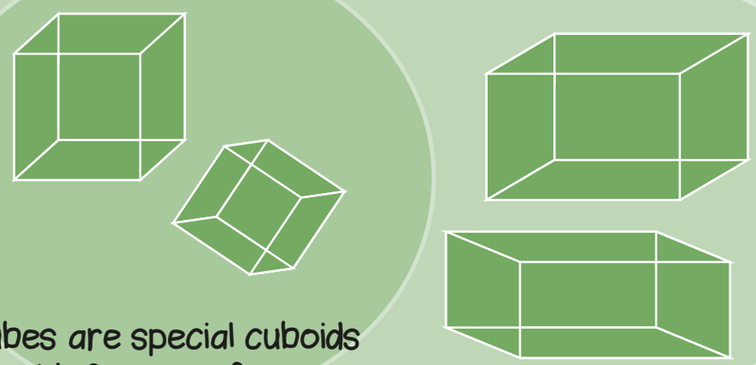




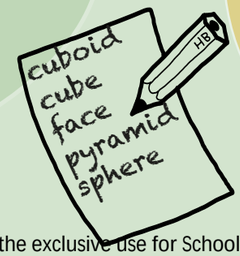


Year 1 Term 2

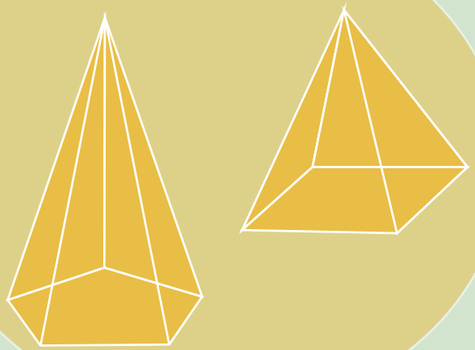
Cuboids are 3D shapes with
6 rectangle faces



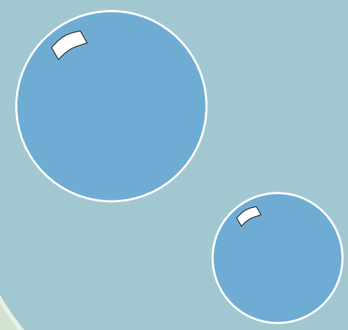
Cubes are special cuboids
with 6 square faces



Pyramids have a base and
triangle faces.



Spheres are 3D shapes
like balls



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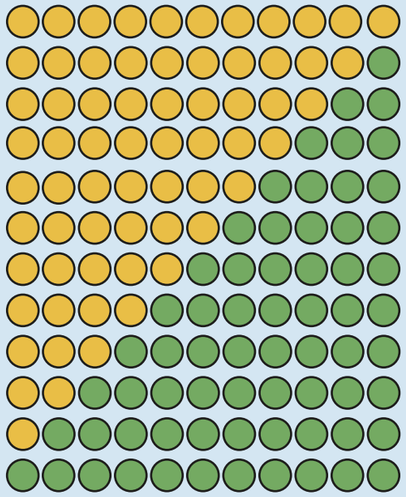
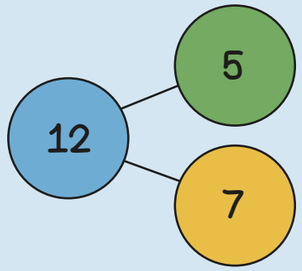
11 = 11 + 0
11 = 10 + 1
11 = 9 + 2
11 = 8 + 3
11 = 7 + 4
11 = 6 + 5
11 = 5 + 6
11 = 4 + 7
11 = 3 + 8
11 = 2 + 9
11 = 1 + 10
11 = 0 + 11



11 − 0 = 11
11 − 1 = 10
11 − 2 = 9
11 − 3 = 8
11 − 4 = 7
11 − 5 = 6
11 − 6 = 5
11 − 7 = 4
11 − 8 = 3
11 − 9 = 2
11 − 10 = 1
11 − 11 = 0

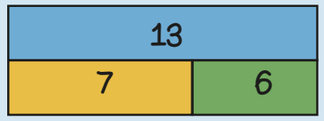
12 = 12 + 0
12 = 11 + 1
12 = 10 + 2
12 = 9 + 3
12 = 8 + 4
12 = 7 + 5
12 = 6 + 6
12 = 5 + 7
12 = 4 + 8
12 = 3 + 9
12 = 2 + 10
12 = 1 + 11
12 = 0 + 12



5 is one part
7 is one part
12 is the whole

12 − 0 = 12
12 − 1 = 11
12 − 2 = 10
12 − 3 = 9
12 − 4 = 8
12 − 5 = 7
12 − 6 = 6
12 − 7 = 5
12 − 8 = 4
12 − 9 = 3
12 − 10 = 2
12 − 11 = 1
12 − 12 = 0

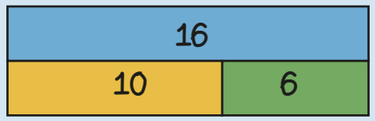
13 = 13 + 0
13 = 12 + 1
13 = 11 + 2
13 = 10 + 3
13 = 9 + 4
13 = 8 + 5
13 = 7 + 6
13 = 6 + 7
13 = 5 + 8
13 = 4 + 9
13 = 3 + 10
13 = 2 + 11
13 = 1 + 12
13 = 0 + 13



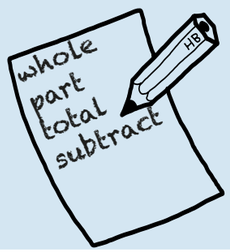
7 is one part
6 is one part
13 is the whole

13 − 0 = 13
13 − 1 = 12
13 − 2 = 11
13 − 3 = 10
13 − 4 = 9
13 − 5 = 8
13 − 6 = 7
13 − 7 = 6
13 − 8 = 5
13 − 9 = 4
13 − 10 = 3
13 − 11 = 2
13 − 12 = 1
13 − 13 = 0

16 = 16 + 0
16 = 15 + 1
16 = 14 + 2
16 = 13 + 3
16 = 12 + 4
16 = 11 + 5
16 = 10 + 6
16 = 9 + 7
16 = 8 + 8
16 = 7 + 9
16 = 6 + 10
16 = 5 + 11
16 = 4 + 12
16 = 3 + 13
16 = 2 + 14
16 = 1 + 15
16 = 0 + 16

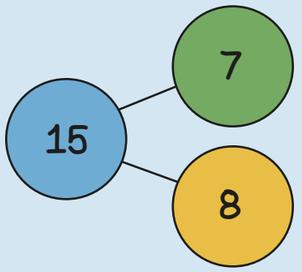


10 is one part
6 is one part
16 is the whole



16 − 0 = 16
16 − 1 = 15
16 − 2 = 14
16 − 3 = 13
16 − 4 = 12
16 − 5 = 11
16 − 6 = 10
16 − 7 = 9
16 − 8 = 8
16 − 9 = 7
16 − 10 = 6
16 − 11 = 5
16 − 12 = 4
16 − 13 = 2
16 − 14 = 2
16 − 15 = 1
16 − 16 = 0

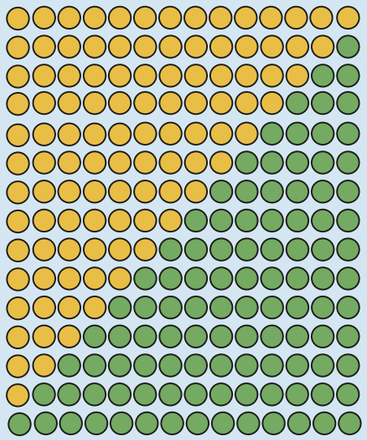
15 = 15 + 0
15 = 14 + 1
15 = 13 + 2
15 = 12 + 3
15 = 11 + 4
15 = 10 + 5
15 = 9 + 6
15 = 8 + 7
15 = 7 + 8
15 = 6 + 9
15 = 5 + 10
15 = 4 + 11
15 = 3 + 12
15 = 2 + 13
15 = 1 + 14
15 = 0 + 15



7 is one part
8 is one part
15 is the whole

15 − 0 = 15
15 − 1 = 14
15 − 2 = 13
15 − 3 = 12
15 − 4 = 11
15 − 5 = 10
15 − 6 = 9
15 − 7 = 8
15 − 8 = 7
15 − 9 = 6
15 − 10 = 5
15 − 11 = 4
15 − 12 = 3
15 − 13 = 2
15 − 14 = 1
15 − 15 = 0

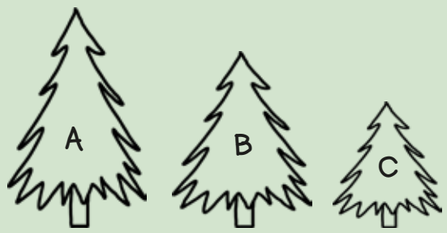
14 = 14 + 0
14 = 13 + 1
14 = 12 + 2
14 = 11 + 3
14 = 10 + 4
14 = 9 + 5
14 = 8 + 6
14 = 7 + 7
14 = 6 + 8
14 = 5 + 9
14 = 4 + 10
14 = 3 + 11
14 = 2 + 12
14 = 1 + 13
14 = 0 + 14



14 − 0 = 14
14 − 1 = 13
14 − 2 = 12
14 − 3 = 11
14 − 4 = 10
14 − 5 = 9
14 − 6 = 8
14 − 7 = 7
14 − 8 = 6
14 − 9 = 5
14 − 10 = 4
14 − 11 = 3
14 − 12 = 2
14 − 13 = 1
14 − 14 = 0

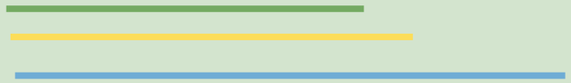
Year 1 Term 3

Tree A is taller than tree B
so tree B is shorter than tree A.



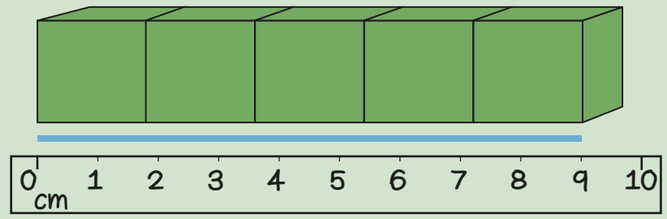
Tree C is the shortest.

The yellow line is longer than the green line
so the green line is shorter than the yellow line.



The blue line is longest.

The blue line is 5 blocks long.



The blue line is 9 centimetres long.

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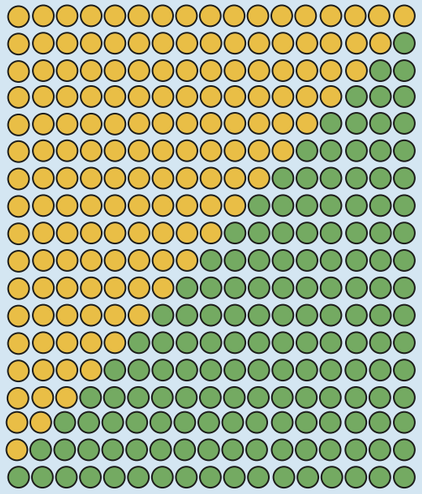
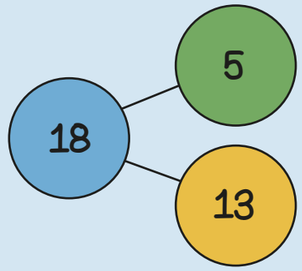
17 = 17 + 0
17 = 16 + 1
17 = 15 + 2
17 = 14 + 3
17 = 13 + 4
17 = 12 + 5
17 = 11 + 6
17 = 10 + 7
17 = 9 + 8
17 = 8 + 9
17 = 7 + 10
17 = 6 + 11
17 = 5 + 12
17 = 4 + 13
17 = 3 + 14
17 = 2 + 15
17 = 1 + 16
17 = 0 + 17



17 - 0 = 17
17 - 1 = 16
17 - 2 = 15
17 - 3 = 14
17 - 4 = 13
17 - 5 = 12
17 - 6 = 11
17 - 7 = 10
17 - 8 = 9
17 - 9 = 8
17 - 10 = 7
17 - 11 = 6
17 - 12 = 5
17 - 13 = 4
17 - 14 = 3
17 - 15 = 2
17 - 16 = 1
17 - 17 = 0

18 = 18 + 0
18 = 17 + 1
18 = 16 + 2
18 = 15 + 3
18 = 14 + 4
18 = 13 + 5
18 = 12 + 6
18 = 11 + 7
18 = 10 + 8
18 = 9 + 9
18 = 8 + 10
18 = 7 + 11
18 = 6 + 12
18 = 5 + 13
18 = 4 + 14
18 = 3 + 15
18 = 2 + 16
18 = 1 + 17
18 = 0 + 18



5 is one part
13 is one part
18 is the whole

18 - 0 = 18
18 - 1 = 17
18 - 2 = 16
18 - 3 = 15
18 - 4 = 14
18 - 5 = 13
18 - 6 = 12
18 - 7 = 11
18 - 8 = 10
18 - 9 = 9
18 - 10 = 8
18 - 11 = 7
18 - 12 = 6
18 - 13 = 5
18 - 14 = 4
18 - 15 = 3
18 - 16 = 2
18 - 17 = 1
18 - 18 = 0

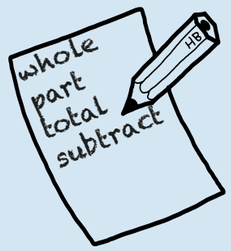
19 = 19 + 0
19 = 18 + 1
19 = 17 + 2
19 = 16 + 3
19 = 15 + 4
19 = 14 + 5
19 = 13 + 6
19 = 12 + 7
19 = 11 + 8
19 = 10 + 9
19 = 9 + 10
19 = 8 + 11
19 = 7 + 12
19 = 6 + 13
19 = 5 + 14
19 = 4 + 15
19 = 3 + 16
19 = 2 + 17
19 = 1 + 18
19 = 0 + 19

If I know
5 + 4 = 9
then I also know
15 + 4 = 19

19 - 0 = 19
19 - 1 = 18
19 - 2 = 17
19 - 3 = 16
19 - 4 = 15
19 - 5 = 14
19 - 6 = 13
19 - 7 = 12
19 - 8 = 11
19 - 9 = 10
19 - 10 = 9
19 - 11 = 8
19 - 12 = 7
19 - 13 = 6
19 - 14 = 5
19 - 15 = 4
19 - 16 = 3
19 - 17 = 2
19 - 18 = 1
19 - 19 = 0

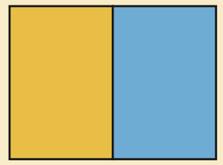
20 = 20 + 0
20 = 19 + 1
20 = 18 + 2
20 = 17 + 3
20 = 16 + 4
20 = 15 + 5
20 = 14 + 6
20 = 13 + 7
20 = 12 + 8
20 = 11 + 9
20 = 10 + 10
20 = 9 + 11
20 = 8 + 12
20 = 7 + 13
20 = 6 + 14
20 = 5 + 15
20 = 4 + 16
20 = 3 + 17
20 = 2 + 18
20 = 1 + 19
20 = 0 + 20

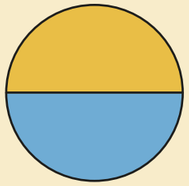
12 is one part
8 is one part
20 is the whole

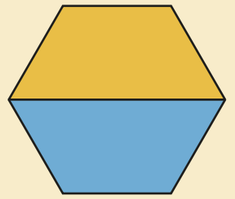


20 - 0 = 20
20 - 1 = 19
20 - 2 = 18
20 - 3 = 17
20 - 4 = 16
20 - 5 = 15
20 - 6 = 14
20 - 7 = 13
20 - 8 = 12
20 - 9 = 11
20 - 10 = 10
20 - 11 = 9
20 - 12 = 8
20 - 13 = 7
20 - 14 = 6
20 - 15 = 5
20 - 16 = 4
20 - 17 = 3
20 - 18 = 2
20 - 19 = 1
20 - 20 = 0

One half is one of two equal parts

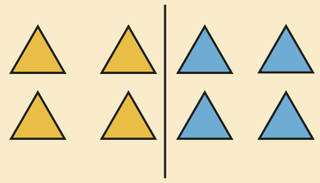


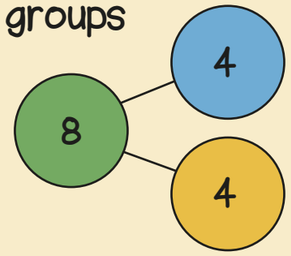




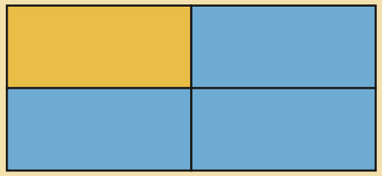
$\frac{1}{2}$ of each shape is yellow.

Share equally into 2 groups

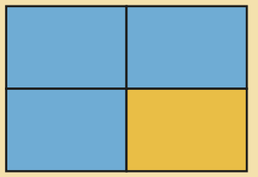


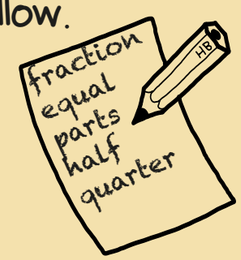


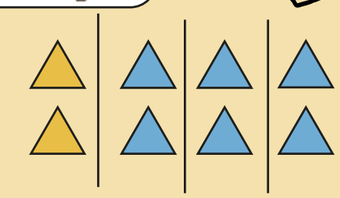
One quarter is one of four equal parts

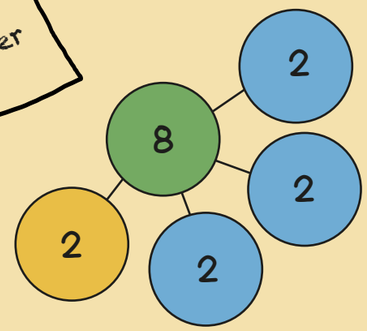


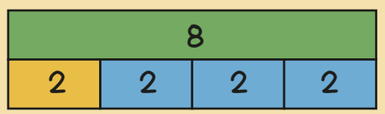
$\frac{1}{4}$ of each shape is yellow.







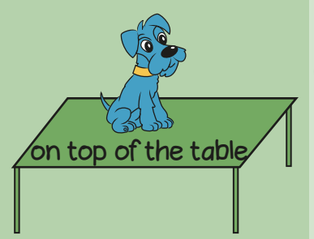




Share into 4 equal groups

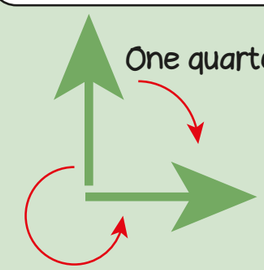
Coco is above Colin

Colin is below Coco



KeePuppI is between Colin and Coco

Year 1 Term 4



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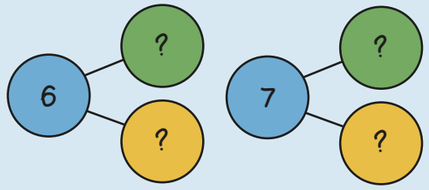
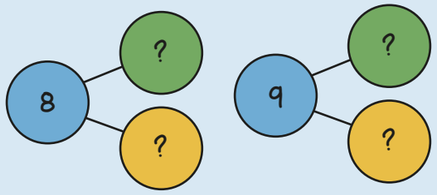
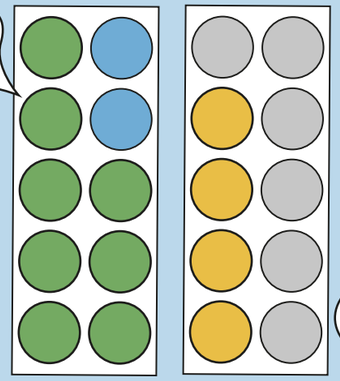
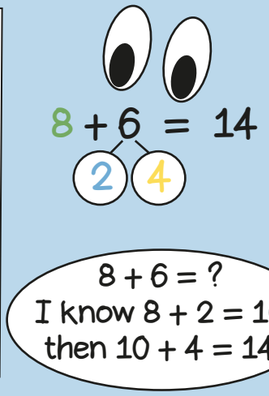


I just know it!



Magic 10

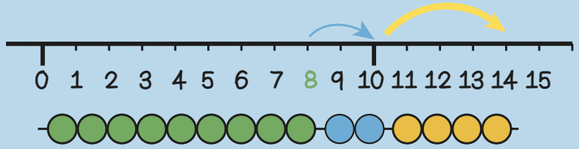




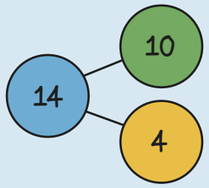
$8 + 6 = 14$

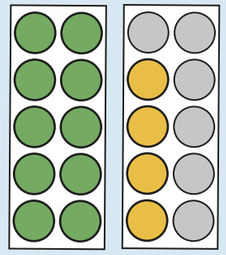
2 4

8 + 6 = ?
I know 8 + 2 = 10
then 10 + 4 = 14



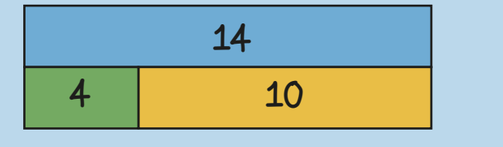
addition
total
sum
part whole
equals

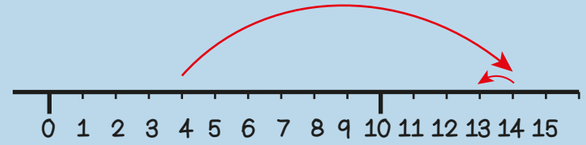


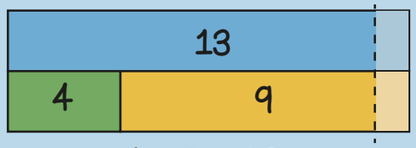


4 + 10 = 14

$4 + 10 = 14$

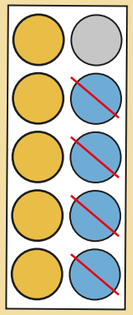




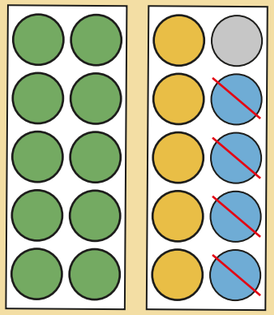


$4 + 9 = 13$

subtract
take away
difference

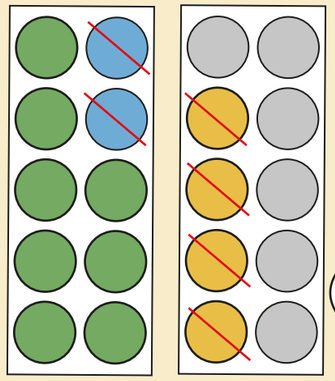


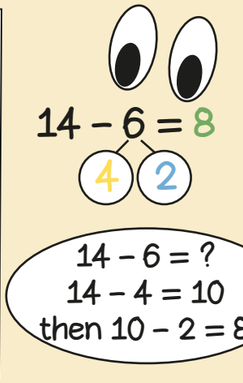
then...



19 − 4 = ?

If I know 9 − 4 = 5
then I also know
19 − 4 = 15

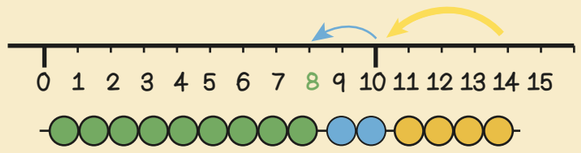




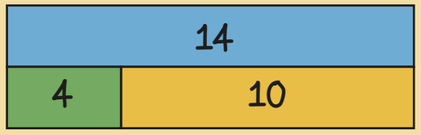
$14 - 6 = 8$

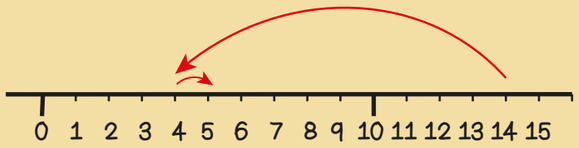
4 2

14 − 6 = ?
14 − 4 = 10
then 10 − 2 = 8

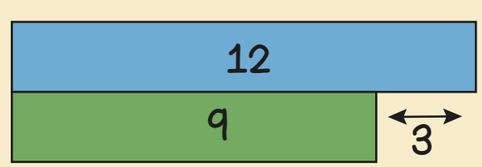


$14 - 10 = 4$

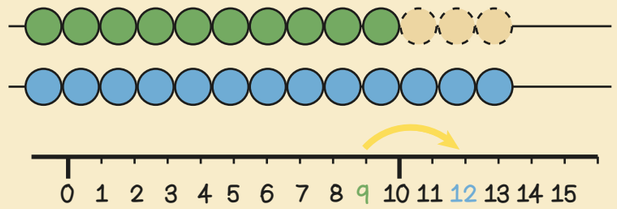




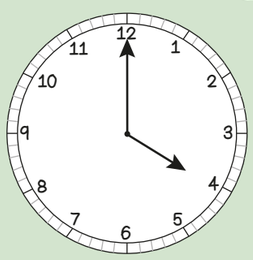
$14 - 9 = 5$



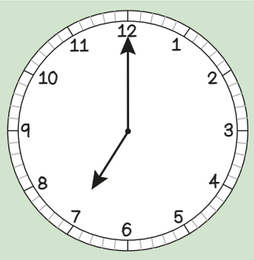
12 is 3 more than 9
9 is 3 less than 12
The difference between 12 and 9 is 3



Year 1 Term 5

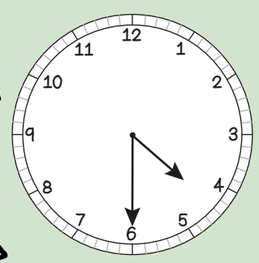


4 o'clock

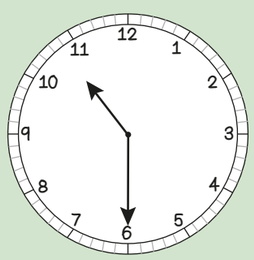


7 o'clock

o'clock
half past
tomorrow
yesterday



Half past 4



Half past 10

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

May

M	T	W	T	F	S	S
	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			

Today is Wednesday 16th May

Tomorrow is Thursday 17th May

Yesterday was Tuesday 15th May

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

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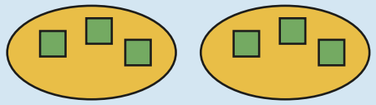
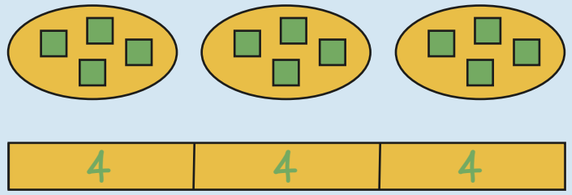
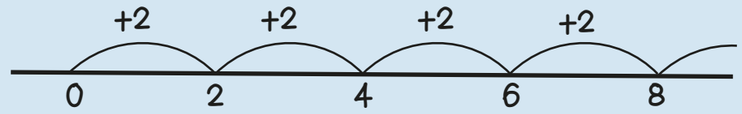


Double 3 is 6
3 + 3 = 6
2 groups of 3 = 6

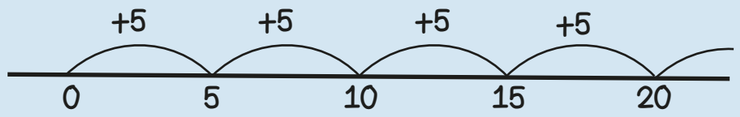


3 groups of 4

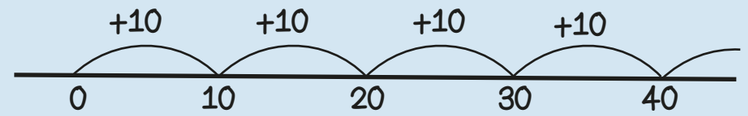
Three groups of 4
4 + 4 + 4 = 12



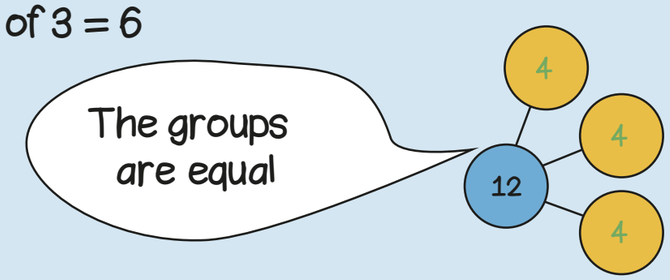
0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20 ...

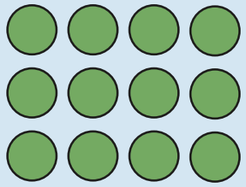


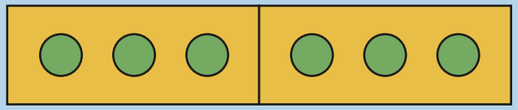
0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50 ...



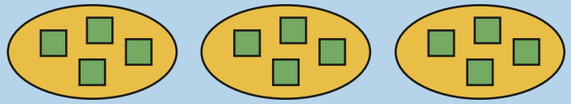
0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100 ...



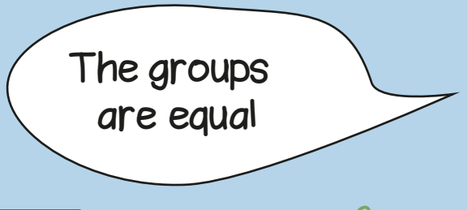


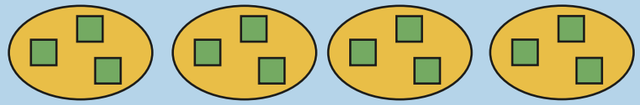


Half of 6 is 3
6 shared equally into
2 groups is
3 in each group

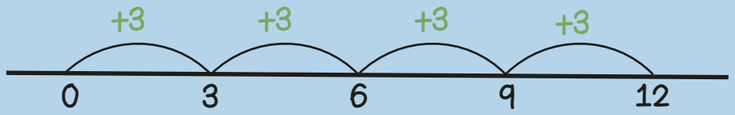


12 divided equally into
3 groups is
4 in each group



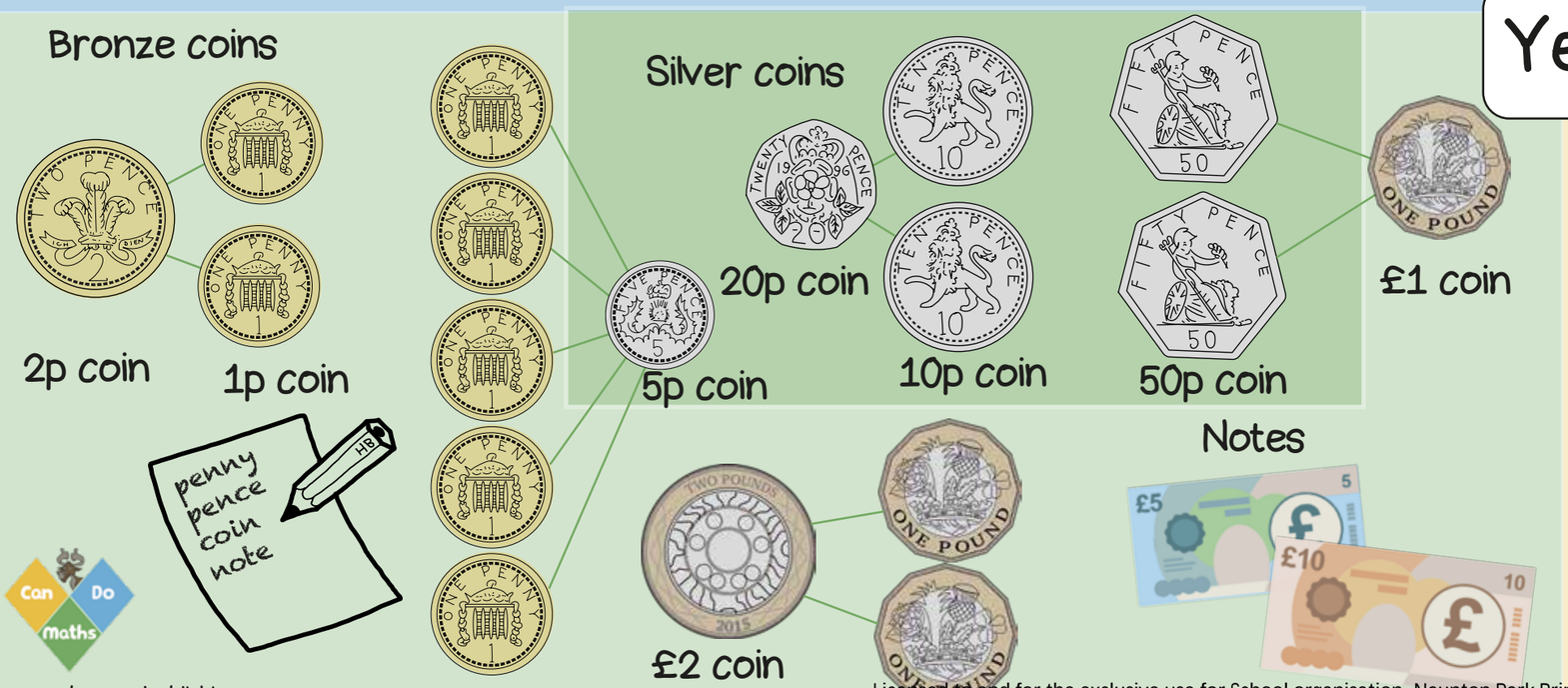


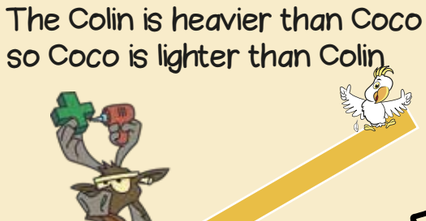
12 divided equally into groups of 3 is 4 groups



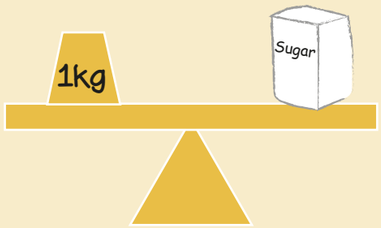
There are four 3s in twelve

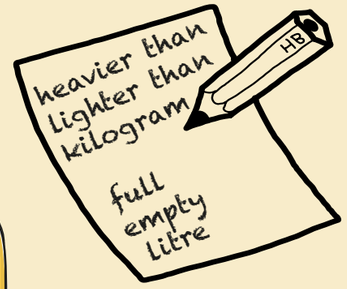
Year 1 Term 6





The Colin is heavier than Coco
so Coco is lighter than Colin





The spoon holds less than the bottle
The bottle holds more than the spoon

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