

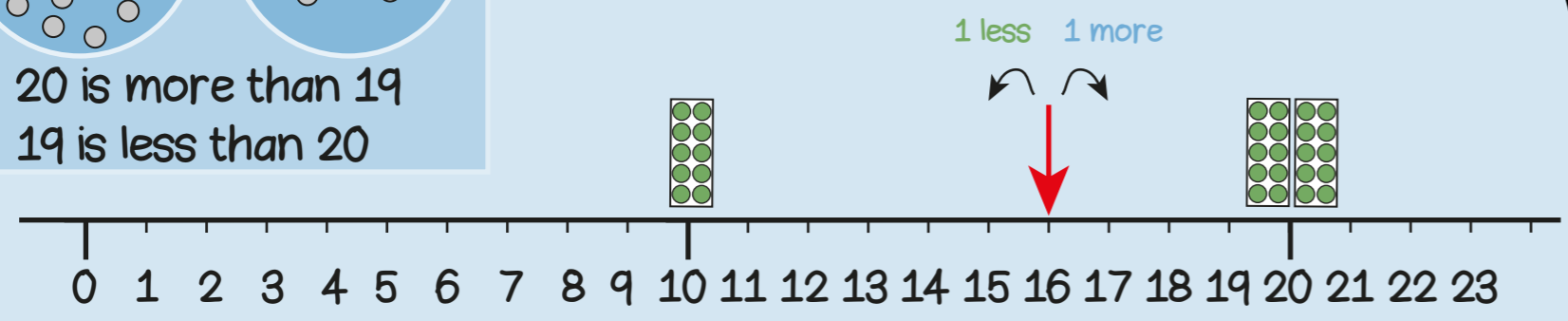
$5 = 5 + 0$		$5 - 0 = 5$
$5 = 4 + 1$		$5 - 1 = 4$
$5 = 3 + 2$		$5 - 2 = 3$
$5 = 2 + 3$		$5 - 3 = 2$
$5 = 1 + 4$		$5 - 4 = 1$
$5 = 0 + 5$		$5 - 5 = 0$

$6 = 6 + 0$		$6 - 0 = 6$
$6 = 5 + 1$		$6 - 1 = 5$
$6 = 4 + 2$		$6 - 2 = 4$
$6 = 3 + 3$		$6 - 3 = 3$
$6 = 2 + 4$		$6 - 4 = 2$
$6 = 1 + 5$		$6 - 5 = 1$
$6 = 0 + 6$		$6 - 6 = 0$

20 is more than 19
19 is less than 20

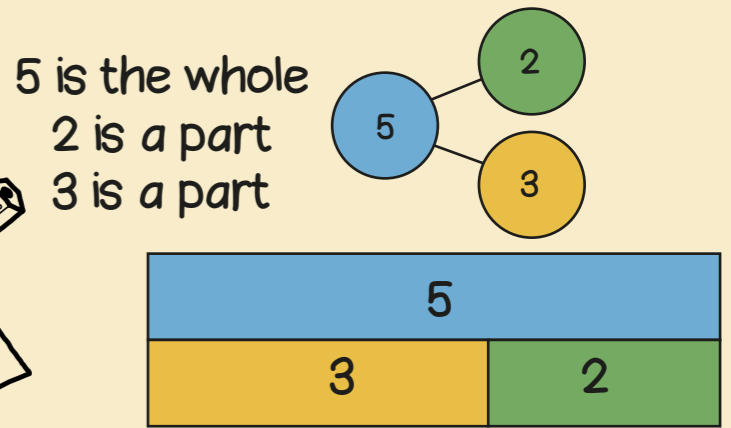
Stop and look.
What do you notice?

1 less than 16 is 15 1 more than 16 is 17



number digit
less more
greater ones tens

add total
subtract left



Year 1 Term 1

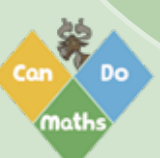
Rectangles are 2D shapes with 4 straight sides and 4 right angles

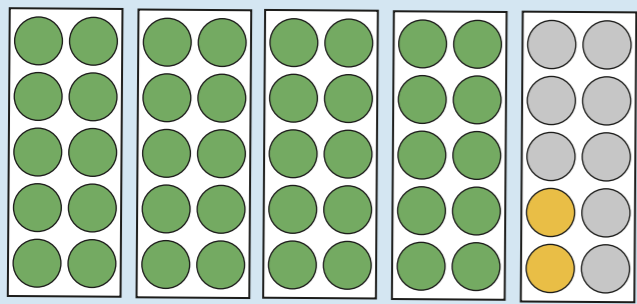
Squares are special rectangles with all the sides equal

rectangle
triangle
square
circle
side
straight

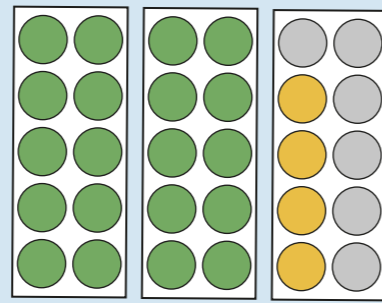
Triangles are 2D shapes with 3 straight sides

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





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

Stop and look.
What do you notice?

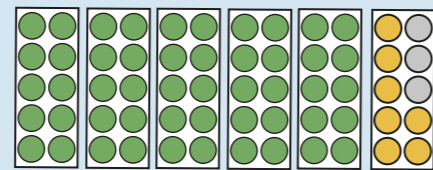
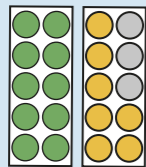
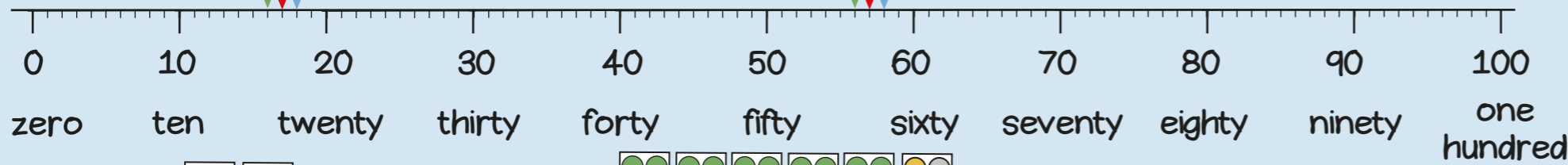


1 less 1 more

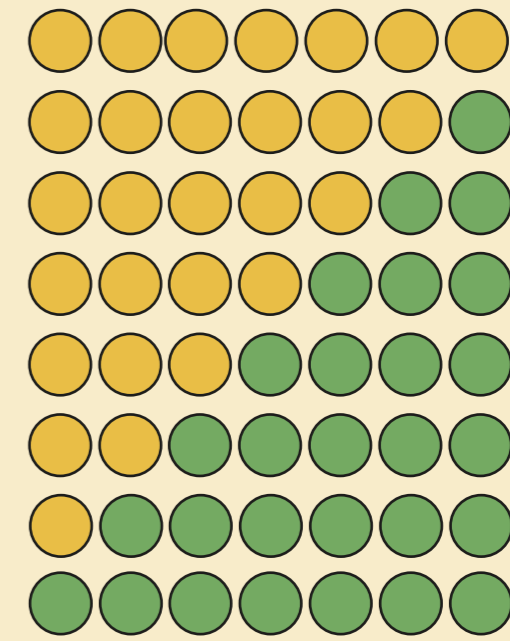
1 less than 17 is 16
1 more than 17 is 18

1 less 1 more

1 less than 57 is 56
1 more than 57 is 58

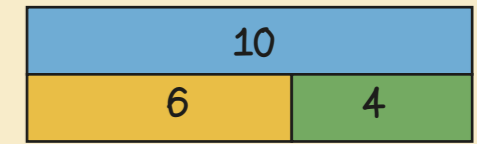
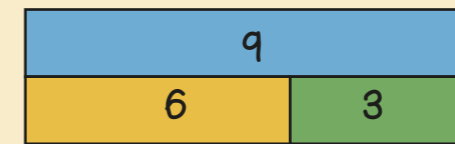
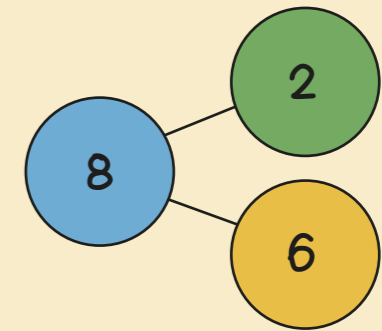


- $7 = 7 + 0$
- $7 = 6 + 1$
- $7 = 5 + 2$
- $7 = 4 + 3$
- $7 = 3 + 4$
- $7 = 2 + 5$
- $7 = 1 + 6$
- $7 = 0 + 7$



- $7 - 0 = 7$
- $7 - 1 = 6$
- $7 - 2 = 5$
- $7 - 3 = 4$
- $7 - 4 = 3$
- $7 - 5 = 2$
- $7 - 6 = 1$
- $7 - 7 = 0$

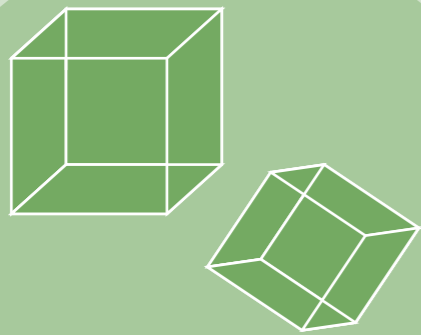
8 is the whole
2 is a part
6 is a part



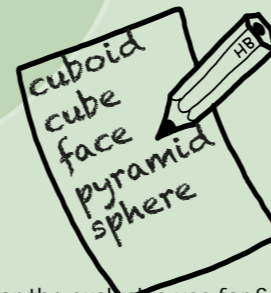
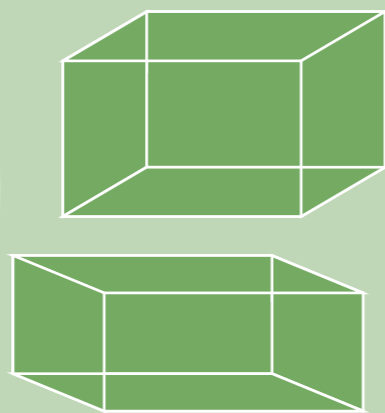
Year 1 Term 2



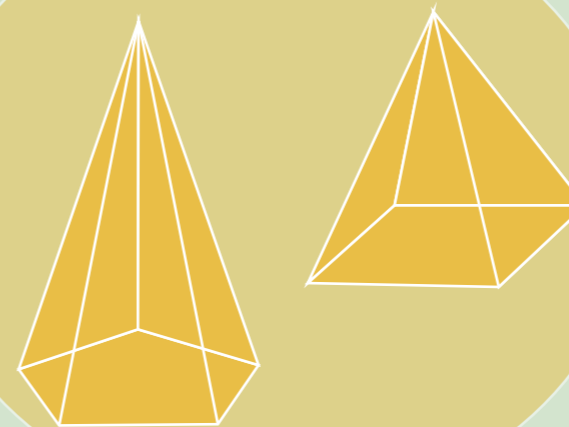
Cuboids are 3D shapes with
6 rectangle faces



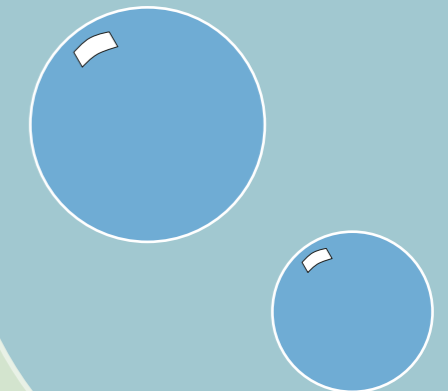
Cubes are special cuboids
with 6 square faces



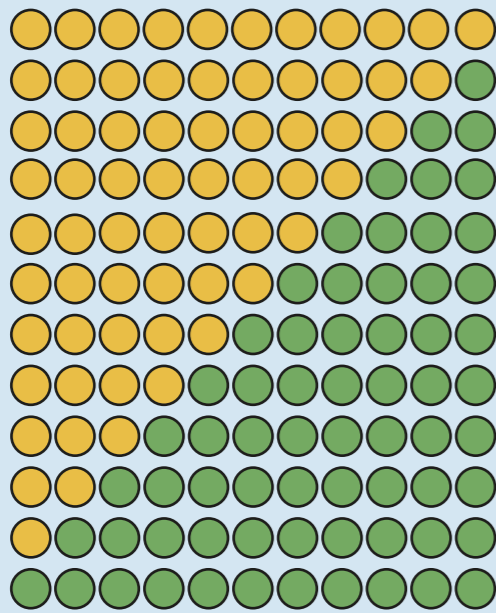
Pyramids have a base and
triangle faces.



Spheres are 3D shapes
like balls

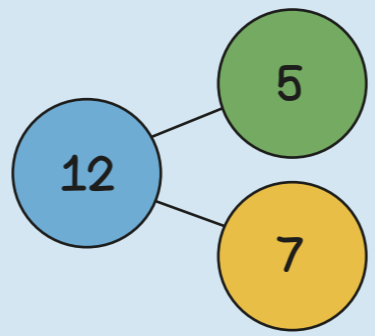


$$\begin{aligned}
 11 &= 11 + 0 \\
 11 &= 10 + 1 \\
 11 &= 9 + 2 \\
 11 &= 8 + 3 \\
 11 &= 7 + 4 \\
 11 &= 6 + 5 \\
 11 &= 5 + 6 \\
 11 &= 4 + 7 \\
 11 &= 3 + 8 \\
 11 &= 2 + 9 \\
 11 &= 1 + 10 \\
 11 &= 0 + 11
 \end{aligned}$$



$$\begin{aligned}
 11 - 0 &= 11 \\
 11 - 1 &= 10 \\
 11 - 2 &= 9 \\
 11 - 3 &= 8 \\
 11 - 4 &= 7 \\
 11 - 5 &= 6 \\
 11 - 6 &= 5 \\
 11 - 7 &= 4 \\
 11 - 8 &= 3 \\
 11 - 9 &= 2 \\
 11 - 10 &= 1 \\
 11 - 11 &= 0
 \end{aligned}$$

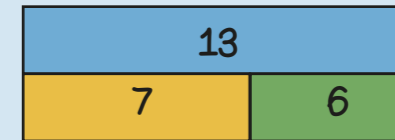
$$\begin{aligned}
 12 &= 12 + 0 \\
 12 &= 11 + 1 \\
 12 &= 10 + 2 \\
 12 &= 9 + 3 \\
 12 &= 8 + 4 \\
 12 &= 7 + 5 \\
 12 &= 6 + 6 \\
 12 &= 5 + 7 \\
 12 &= 4 + 8 \\
 12 &= 3 + 9 \\
 12 &= 2 + 10 \\
 12 &= 1 + 11 \\
 12 &= 0 + 12
 \end{aligned}$$



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

$$\begin{aligned}
 12 - 0 &= 12 \\
 12 - 1 &= 11 \\
 12 - 2 &= 10 \\
 12 - 3 &= 9 \\
 12 - 4 &= 8 \\
 12 - 5 &= 7 \\
 12 - 6 &= 6 \\
 12 - 7 &= 5 \\
 12 - 8 &= 4 \\
 12 - 9 &= 3 \\
 12 - 10 &= 2 \\
 12 - 11 &= 1 \\
 12 - 12 &= 0
 \end{aligned}$$

$$\begin{aligned}
 13 &= 13 + 0 \\
 13 &= 12 + 1 \\
 13 &= 11 + 2 \\
 13 &= 10 + 3 \\
 13 &= 9 + 4 \\
 13 &= 8 + 5 \\
 13 &= 7 + 6 \\
 13 &= 6 + 7 \\
 13 &= 5 + 8 \\
 13 &= 4 + 9 \\
 13 &= 3 + 10 \\
 13 &= 2 + 11 \\
 13 &= 1 + 12 \\
 13 &= 0 + 13
 \end{aligned}$$



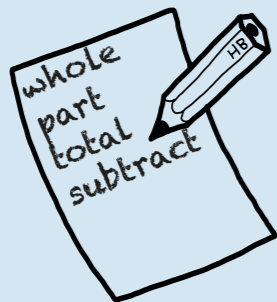
7 is one part
6 is one part
13 is the whole

$$\begin{aligned}
 13 - 0 &= 13 \\
 13 - 1 &= 12 \\
 13 - 2 &= 11 \\
 13 - 3 &= 10 \\
 13 - 4 &= 9 \\
 13 - 5 &= 8 \\
 13 - 6 &= 7 \\
 13 - 7 &= 6 \\
 13 - 8 &= 5 \\
 13 - 9 &= 4 \\
 13 - 10 &= 3 \\
 13 - 11 &= 2 \\
 13 - 12 &= 1 \\
 13 - 13 &= 0
 \end{aligned}$$

$$\begin{aligned}
 16 &= 16 + 0 \\
 16 &= 15 + 1 \\
 16 &= 14 + 2 \\
 16 &= 13 + 3 \\
 16 &= 12 + 4 \\
 16 &= 11 + 5 \\
 16 &= 10 + 6 \\
 16 &= 9 + 7 \\
 16 &= 8 + 8 \\
 16 &= 7 + 9 \\
 16 &= 6 + 10 \\
 16 &= 5 + 11 \\
 16 &= 4 + 12 \\
 16 &= 3 + 13 \\
 16 &= 2 + 14 \\
 16 &= 1 + 15 \\
 16 &= 0 + 16
 \end{aligned}$$

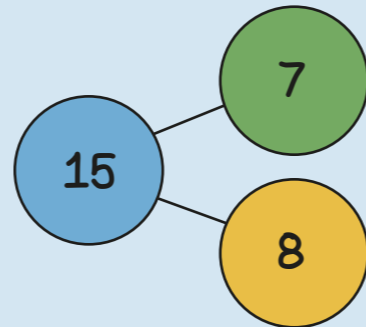


10 is one part
6 is one part
16 is the whole



$$\begin{aligned}
 16 - 0 &= 16 \\
 16 - 1 &= 15 \\
 16 - 2 &= 14 \\
 16 - 3 &= 13 \\
 16 - 4 &= 12 \\
 16 - 5 &= 11 \\
 16 - 6 &= 10 \\
 16 - 7 &= 9 \\
 16 - 8 &= 8 \\
 16 - 9 &= 7 \\
 16 - 10 &= 6 \\
 16 - 11 &= 5 \\
 16 - 12 &= 4 \\
 16 - 13 &= 3 \\
 16 - 14 &= 2 \\
 16 - 15 &= 1 \\
 16 - 16 &= 0
 \end{aligned}$$

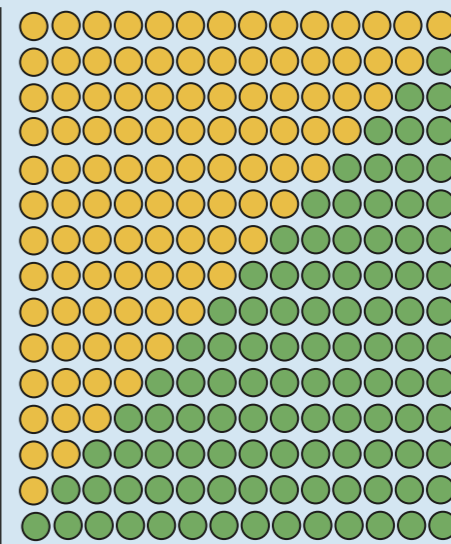
$$\begin{aligned}
 15 &= 15 + 0 \\
 15 &= 14 + 1 \\
 15 &= 13 + 2 \\
 15 &= 12 + 3 \\
 15 &= 11 + 4 \\
 15 &= 10 + 5 \\
 15 &= 9 + 6 \\
 15 &= 8 + 7 \\
 15 &= 7 + 8 \\
 15 &= 6 + 9 \\
 15 &= 5 + 10 \\
 15 &= 4 + 11 \\
 15 &= 3 + 12 \\
 15 &= 2 + 13 \\
 15 &= 1 + 14 \\
 15 &= 0 + 15
 \end{aligned}$$



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

$$\begin{aligned}
 15 - 0 &= 15 \\
 15 - 1 &= 14 \\
 15 - 2 &= 13 \\
 15 - 3 &= 12 \\
 15 - 4 &= 11 \\
 15 - 5 &= 10 \\
 15 - 6 &= 9 \\
 15 - 7 &= 8 \\
 15 - 8 &= 7 \\
 15 - 9 &= 6 \\
 15 - 10 &= 5 \\
 15 - 11 &= 4 \\
 15 - 12 &= 3 \\
 15 - 13 &= 2 \\
 15 - 14 &= 1 \\
 15 - 15 &= 0
 \end{aligned}$$

$$\begin{aligned}
 14 &= 14 + 0 \\
 14 &= 13 + 1 \\
 14 &= 12 + 2 \\
 14 &= 11 + 3 \\
 14 &= 10 + 4 \\
 14 &= 9 + 5 \\
 14 &= 8 + 6 \\
 14 &= 7 + 7 \\
 14 &= 6 + 8 \\
 14 &= 5 + 9 \\
 14 &= 4 + 10 \\
 14 &= 3 + 11 \\
 14 &= 2 + 12 \\
 14 &= 1 + 13 \\
 14 &= 0 + 14
 \end{aligned}$$



$$\begin{aligned}
 14 - 0 &= 14 \\
 14 - 1 &= 13 \\
 14 - 2 &= 12 \\
 14 - 3 &= 11 \\
 14 - 4 &= 10 \\
 14 - 5 &= 9 \\
 14 - 6 &= 8 \\
 14 - 7 &= 7 \\
 14 - 8 &= 6 \\
 14 - 9 &= 5 \\
 14 - 10 &= 4 \\
 14 - 11 &= 3 \\
 14 - 12 &= 2 \\
 14 - 13 &= 1 \\
 14 - 14 &= 0
 \end{aligned}$$

Year 1 Term 3



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



Tree C is the shortest.

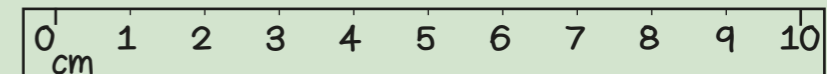
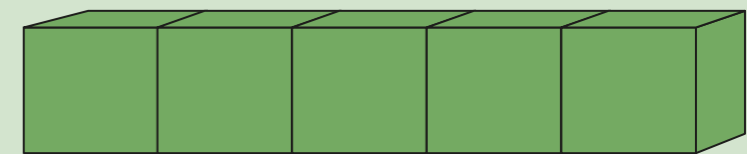


The yellow line is longer than the green line
so the green line is shorter than the yellow line.



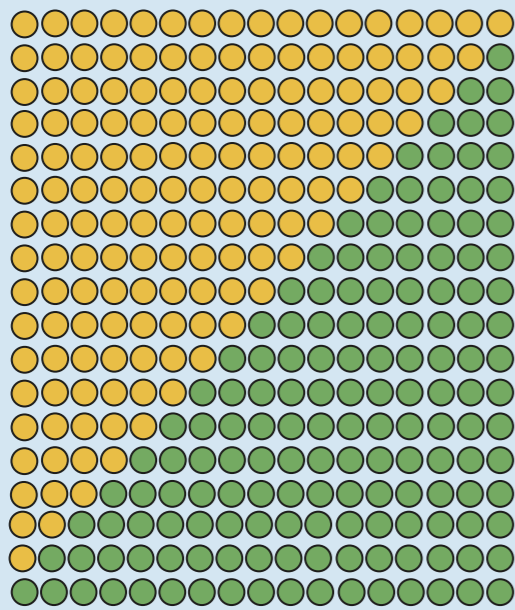
The blue line is longest.

The blue line is 5 blocks long.



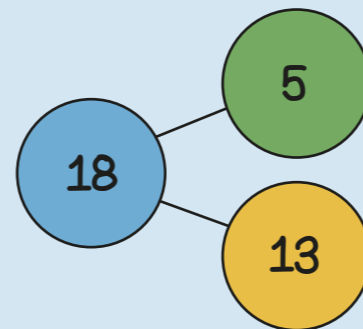
The blue line is 9 centimetres long.

- 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

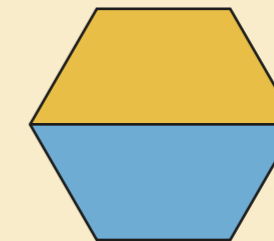
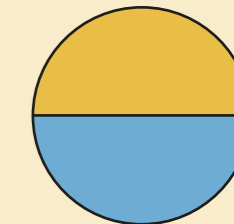
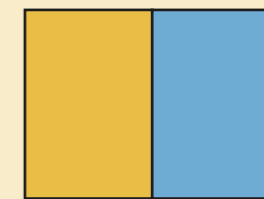
- 18 = 18 + 0
- 18 = 17 + 1
- 18 = 16 + 2
- 18 = 15 + 3
- 18 = 14 + 4
- 18 = 13 + 5
- 18 = 12 + 6
- 18 = 11 + 7
- 18 = 10 + 8
- 18 = 9 + 9
- 18 = 8 + 10
- 18 = 7 + 11
- 18 = 6 + 12
- 18 = 5 + 13
- 18 = 4 + 14
- 18 = 3 + 15
- 18 = 2 + 16
- 18 = 1 + 17
- 18 = 0 + 18



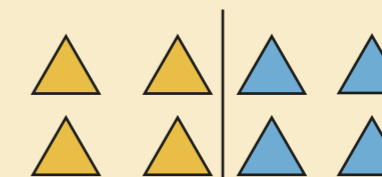
5 is one part
13 is one part
18 is the whole

- 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

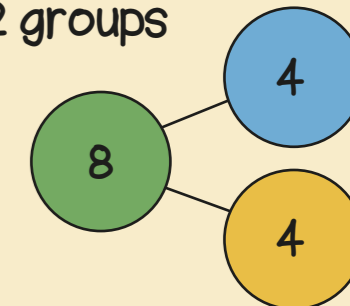
One half is one of two equal parts



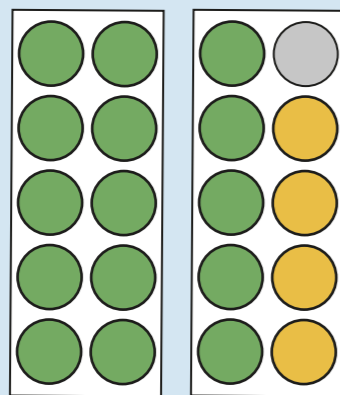
$\frac{1}{2}$ of each shape is yellow.



Share equally into 2 groups



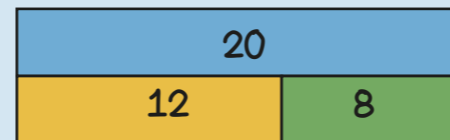
- 19 = 19 + 0
- 19 = 18 + 1
- 19 = 17 + 2
- 19 = 16 + 3
- 19 = 15 + 4
- 19 = 14 + 5
- 19 = 13 + 6
- 19 = 12 + 7
- 19 = 11 + 8
- 19 = 10 + 9
- 19 = 9 + 10
- 19 = 8 + 11
- 19 = 7 + 12
- 19 = 6 + 13
- 19 = 5 + 14
- 19 = 4 + 15
- 19 = 3 + 16
- 19 = 2 + 17
- 19 = 1 + 18
- 19 = 0 + 19



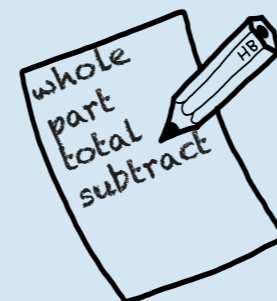
If I know
 $5 + 4 = 9$
then I also know
 $15 + 4 = 19$

- 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

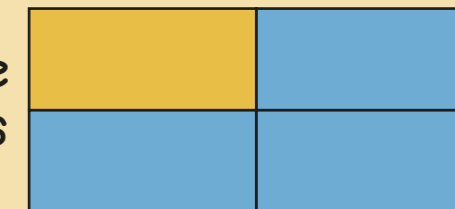


12 is one part
8 is one part
20 is the whole

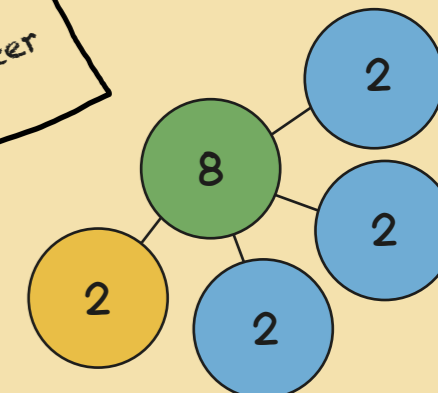
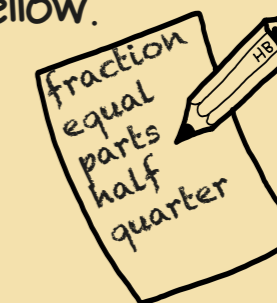
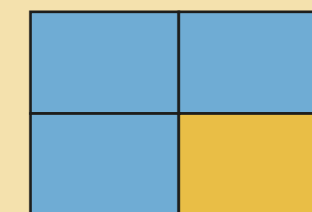


- 20 - 0 = 20
- 20 - 1 = 19
- 20 - 2 = 18
- 20 - 3 = 17
- 20 - 4 = 16
- 20 - 5 = 15
- 20 - 6 = 14
- 20 - 7 = 13
- 20 - 8 = 12
- 20 - 9 = 11
- 20 - 10 = 10
- 20 - 11 = 9
- 20 - 12 = 8
- 20 - 13 = 7
- 20 - 14 = 6
- 20 - 15 = 5
- 20 - 16 = 4
- 20 - 17 = 3
- 20 - 18 = 2
- 20 - 19 = 1
- 20 - 20 = 0

One quarter is one of four equal parts



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



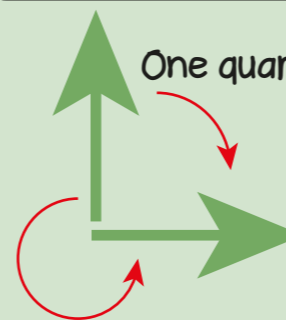
Share into 4 equal groups



Year 1 Term 4



One quarter turn right

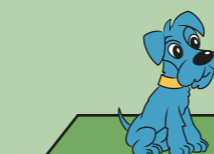


Three-quarter turn left

Coco is above Colin



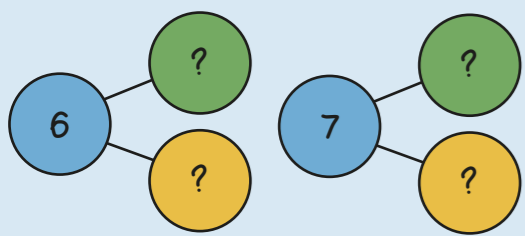
Colin is below Coco



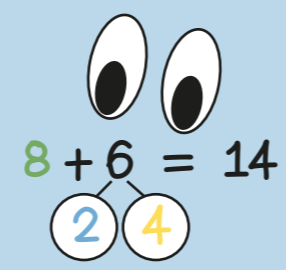
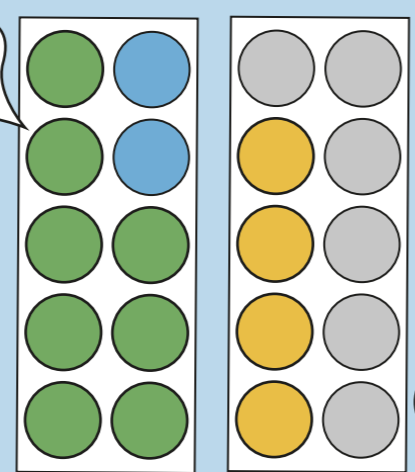
on top of the table

KeePuppI is between Colin and Coco

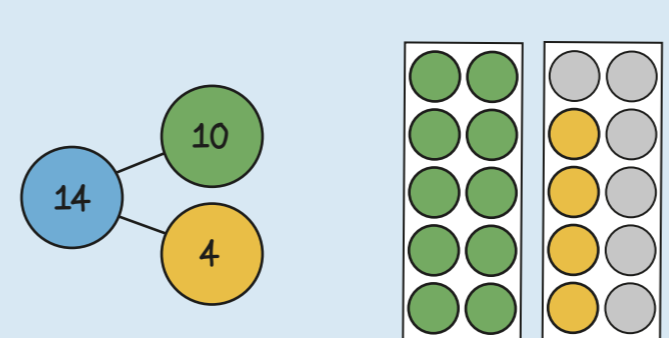




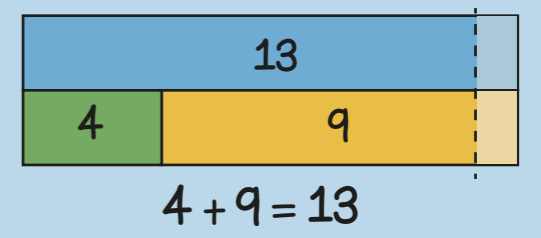
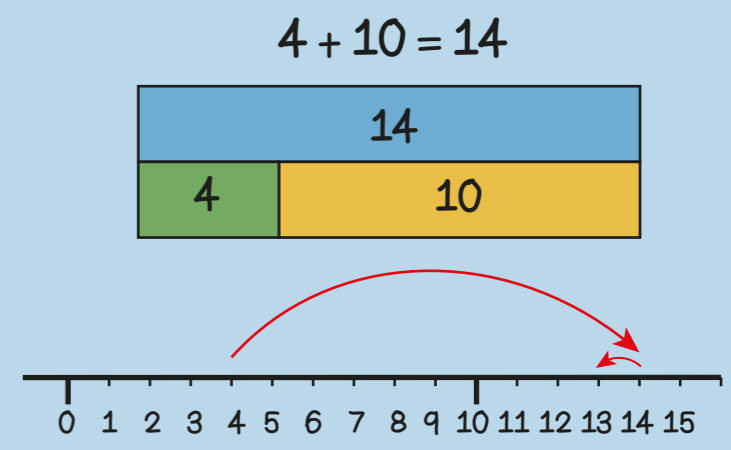
Magic 10



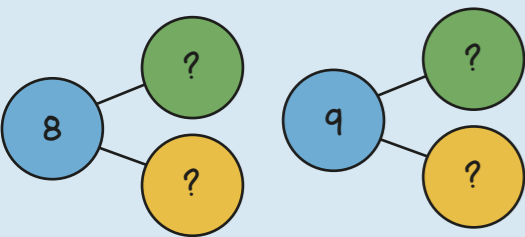
$8 + 6 = ?$
I know $8 + 2 = 10$
then $10 + 4 = 14$



$4 + 10 = 14$

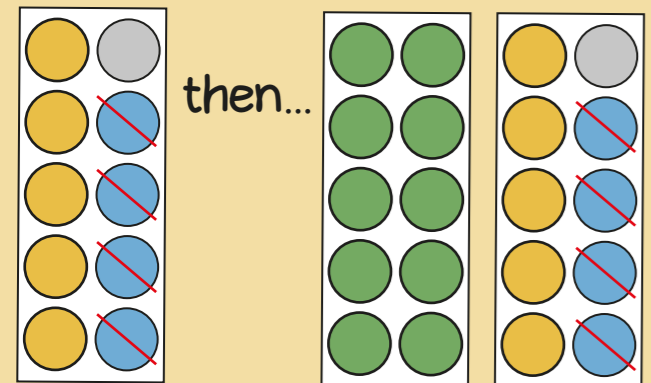


I just know it!

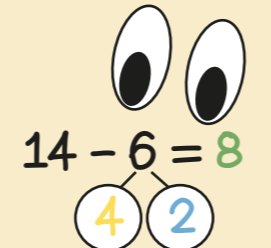
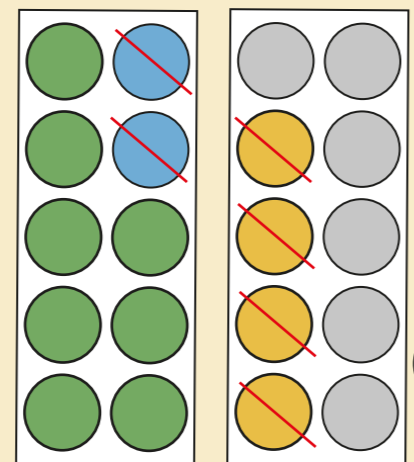


addition
total
sum
part whole
equals

subtract
take away
difference

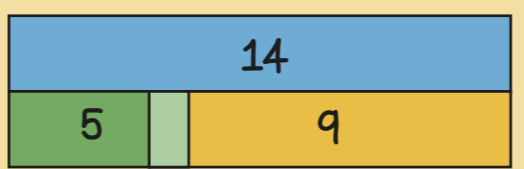
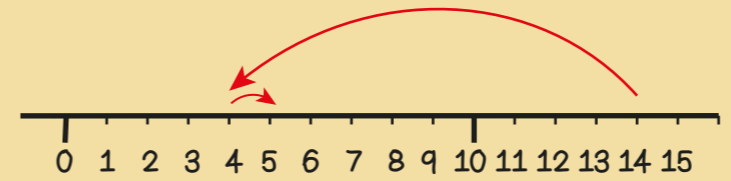
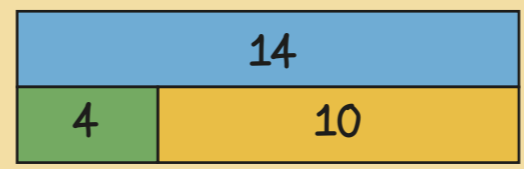


then...

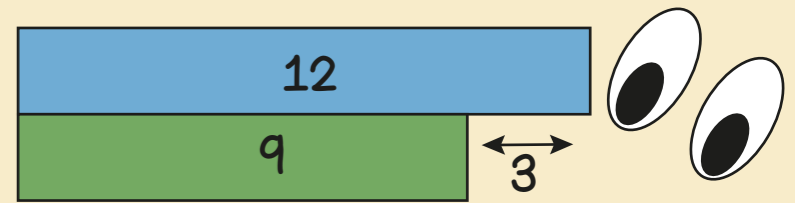


$14 - 6 = ?$
 $14 - 4 = 10$
then $10 - 2 = 8$

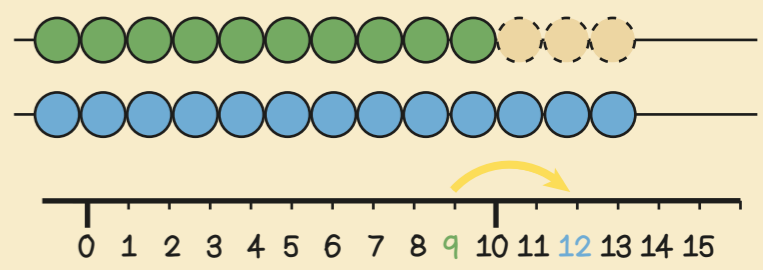
$14 - 10 = 4$



$14 - 9 = 5$

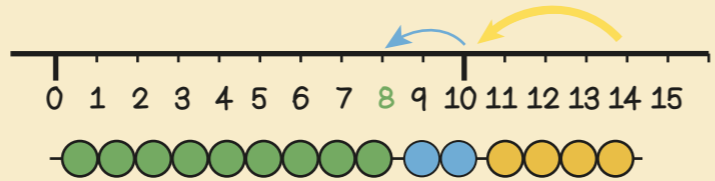


12 is 3 more than 9
9 is 3 less than 12
The difference between 12 and 9 is 3



$19 - 4 = ?$

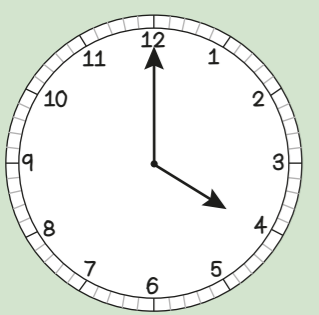
If I know $9 - 4 = 5$
then I also know
 $19 - 4 = 15$



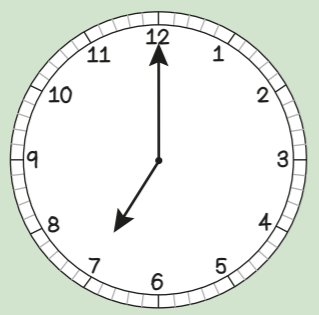
Year 1 Term 5



Monday Tuesday Wednesday Thursday Friday Saturday Sunday

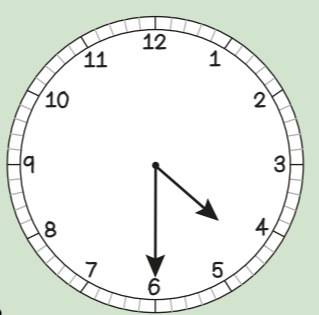


4 o'clock

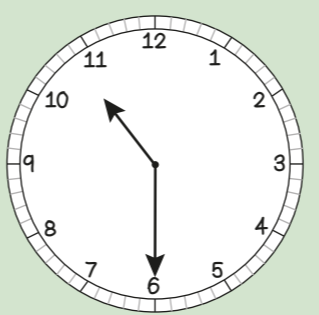


7 o'clock

o'clock
half past
tomorrow
yesterday



Half past 4

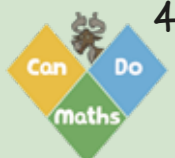


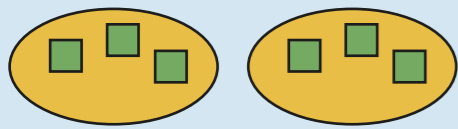
Half past 10

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

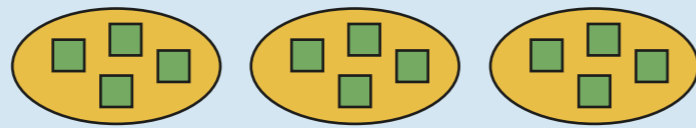




Double 3 is 6
 $3 + 3 = 6$
 2 groups of 3 = 6

multiply
 equal
 share
 group
 divide

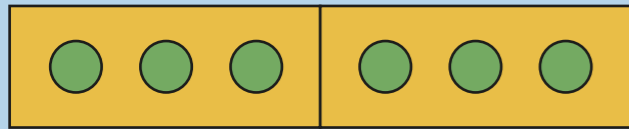
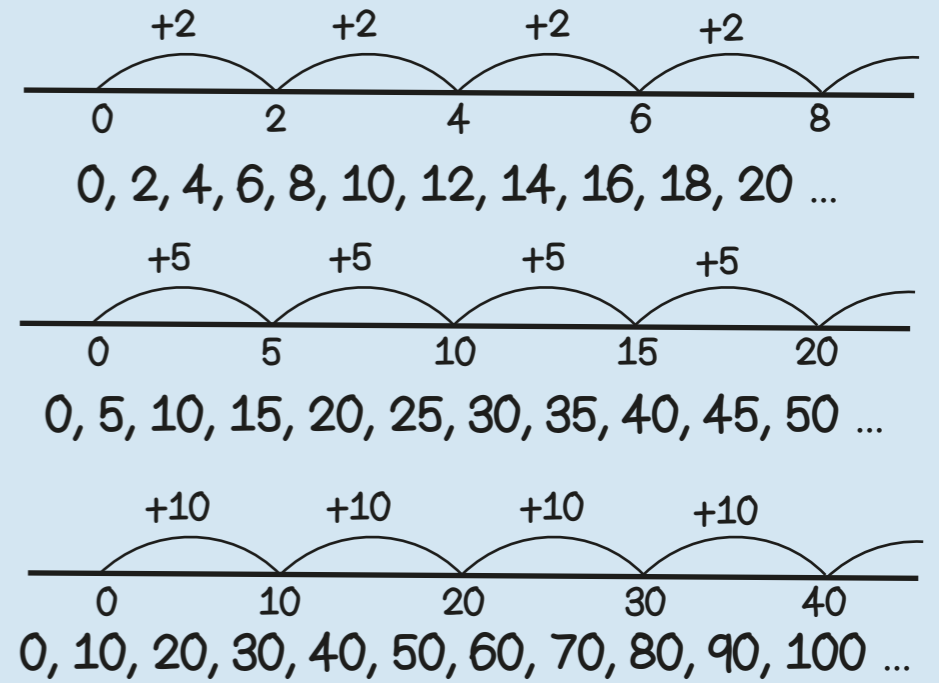
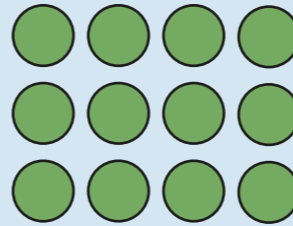
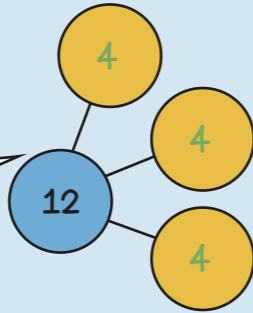
The groups are equal



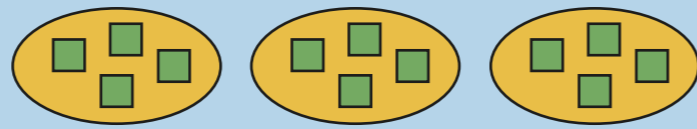
3 groups of 4



Three groups of 4
 $4 + 4 + 4 = 12$



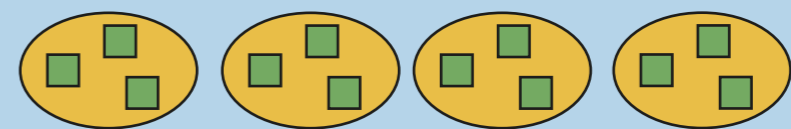
Half of 6 is 3
 6 shared equally into
 2 groups is
 3 in each group



12 divided equally into
 3 groups is
 4 in each group

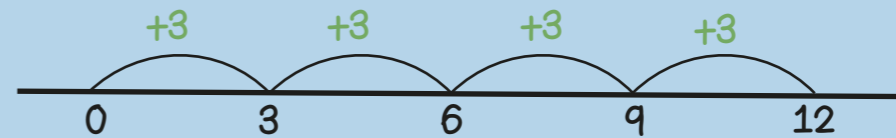


The groups are equal



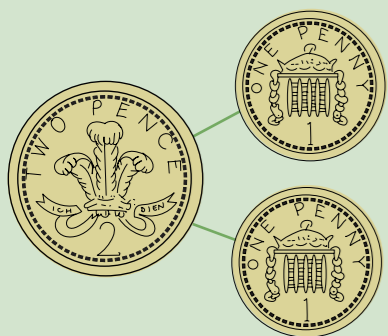
12 divided equally
 into groups of 3
 is 4 groups

There are four 3s
 in twelve



Year 1 Term 6

Bronze coins



2p coin 1p coin

penny
 pence
 coin
 note

Silver coins



20p coin

10p coin

5p coin

50p coin

£1 coin

Notes



£2 coin



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



heavier than
 lighter than
 kilogram

full
 empty
 litre

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

