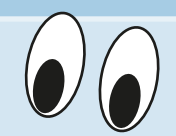
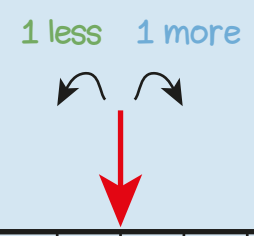


Stop and look.
What do you notice?



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

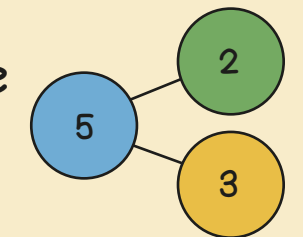


number
digit
less
more
greater
ones
tens

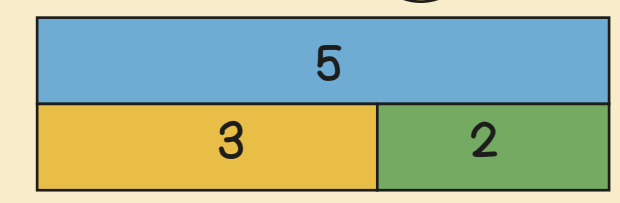
$5 = 5 + 0$		$5 - 0 = 5$
$5 = 4 + 1$		$5 - 1 = 4$
$5 = 3 + 2$		$5 - 2 = 3$
$5 = 2 + 3$		$5 - 3 = 2$
$5 = 1 + 4$		$5 - 4 = 1$
$5 = 0 + 5$		$5 - 5 = 0$

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

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



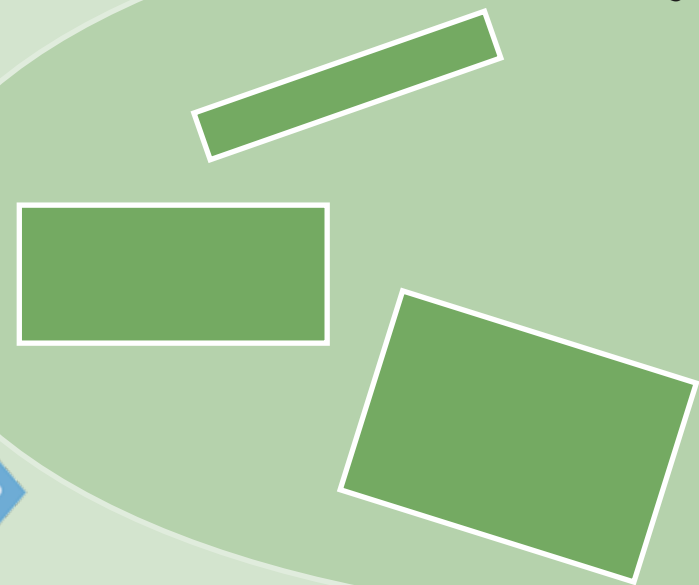
add
total
subtract
left



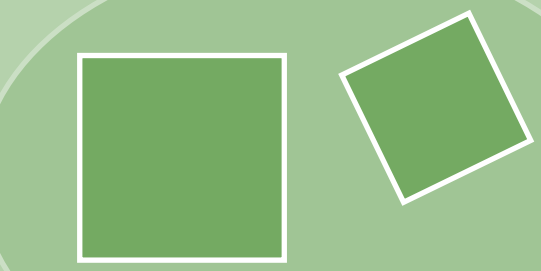
Year 1 Term 1



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

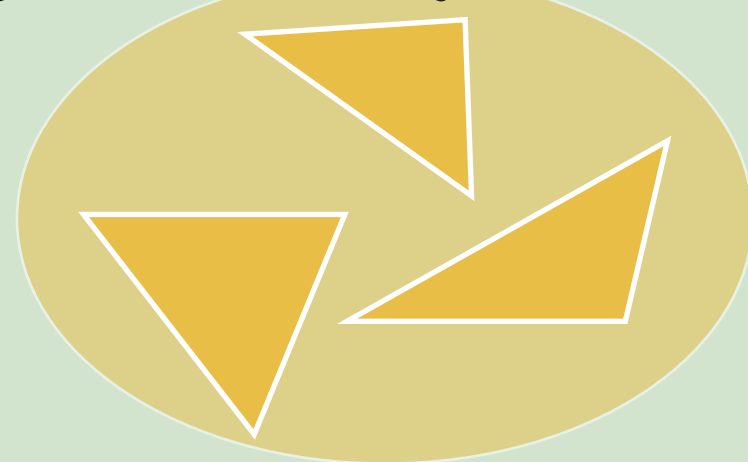


rectangle
triangle
square
circle
side
straight

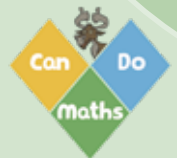
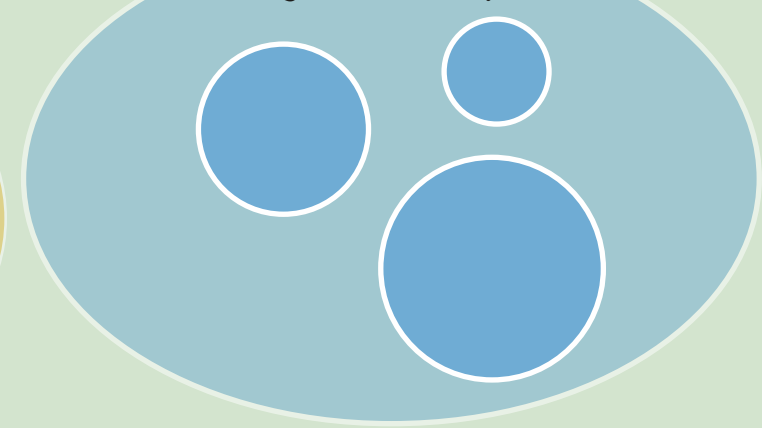


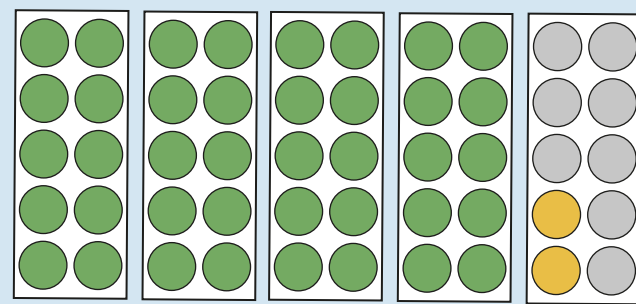
Squares are special rectangles with all the sides equal

Triangles are 2D shapes with 3 straight sides

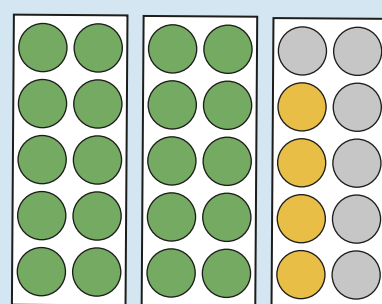


Circles are 2D shapes where the distance from the centre to the edge is always the same





42
forty-two
4 tens and 2 ones



24
twenty-four
2 tens and 4 ones

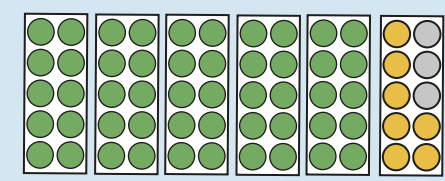
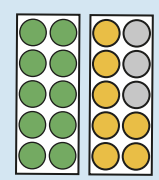
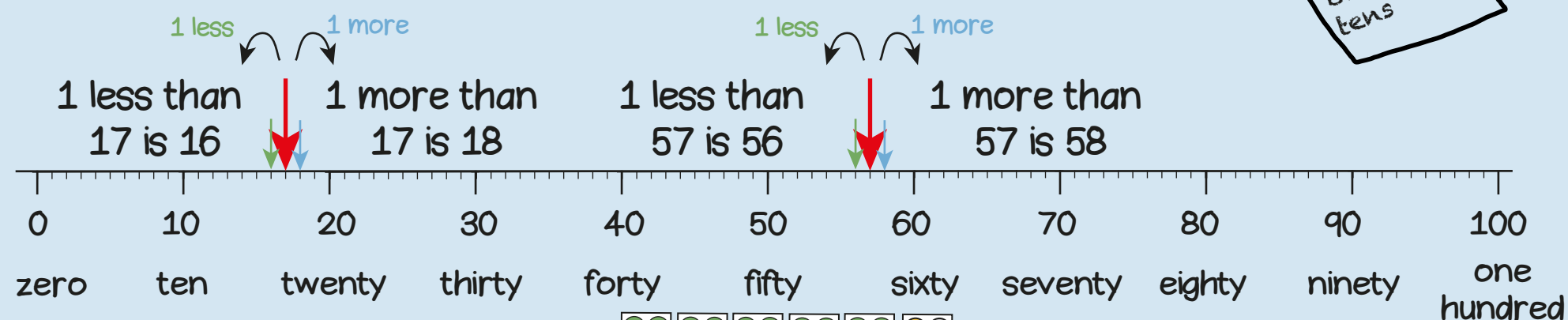
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

42 is more than 24 so
24 is less than 42

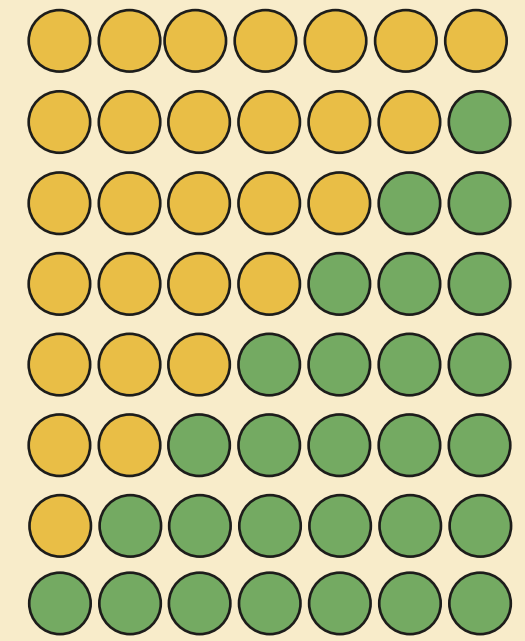
Stop and look.
What do you notice?



number
digit
less
greater
ones
tens

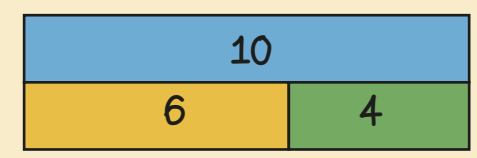
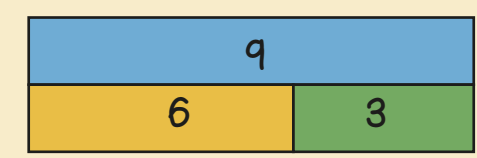
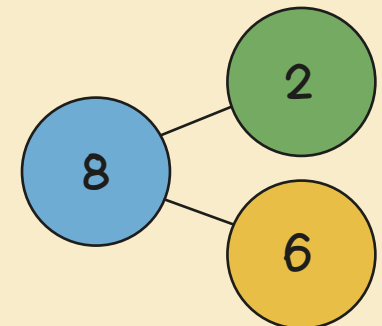


- $7 = 7 + 0$
- $7 = 6 + 1$
- $7 = 5 + 2$
- $7 = 4 + 3$
- $7 = 3 + 4$
- $7 = 2 + 5$
- $7 = 1 + 6$
- $7 = 0 + 7$



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

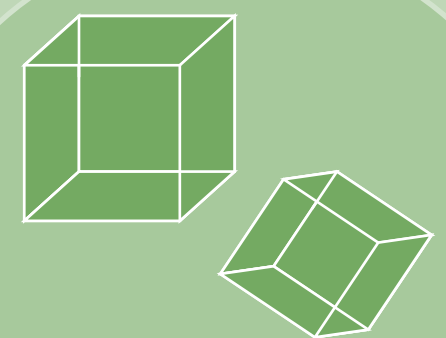
8 is the whole
2 is a part
6 is a part



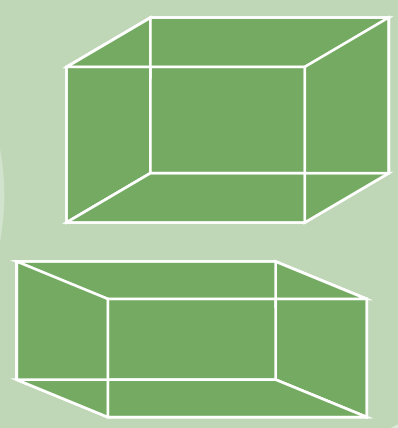
Year 1 Term 2



Cuboids are 3D shapes with
6 rectangle faces

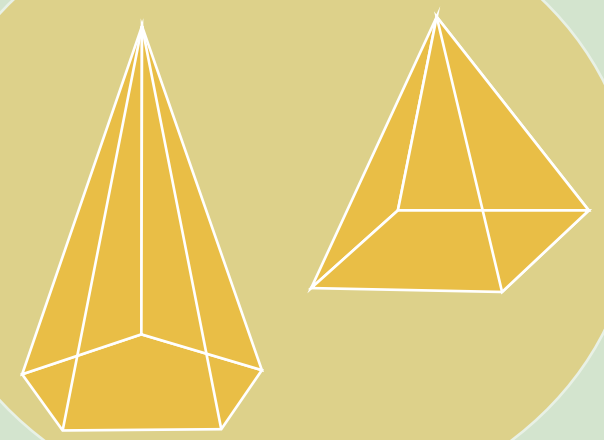


Cubes are special cuboids
with 6 square faces

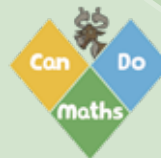
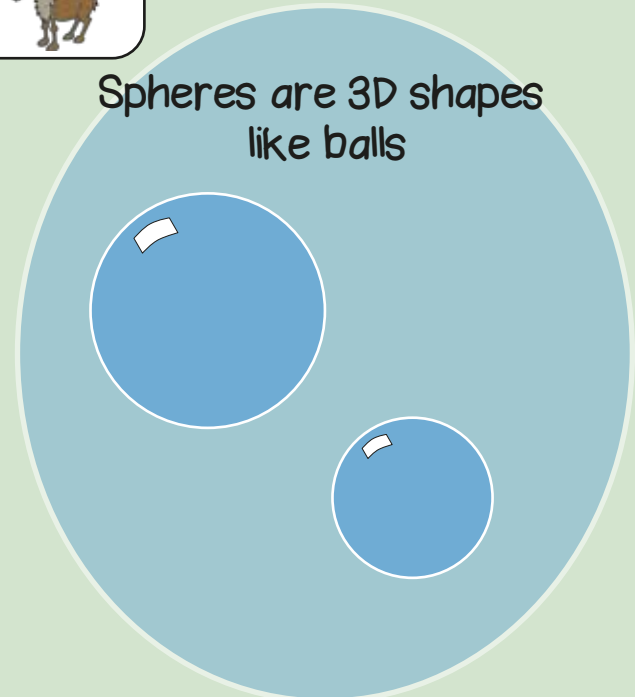


cuboid
cube
face
pyramid
sphere

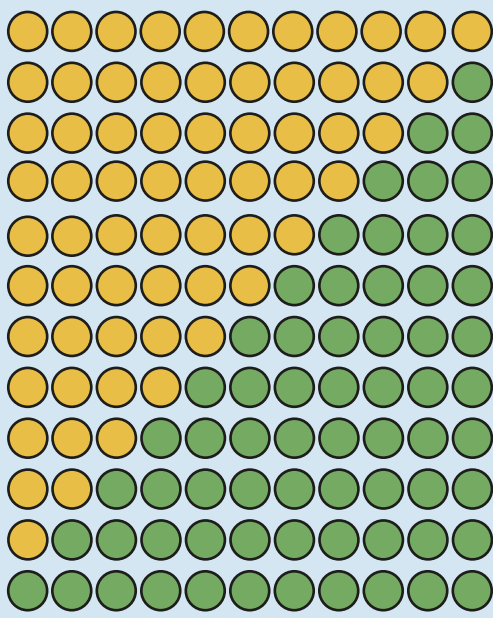
Pyramids have a base and
triangle faces.



Spheres are 3D shapes
like balls

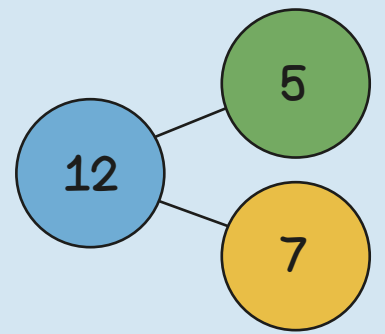


$$\begin{aligned}
 11 &= 11 + 0 \\
 11 &= 10 + 1 \\
 11 &= 9 + 2 \\
 11 &= 8 + 3 \\
 11 &= 7 + 4 \\
 11 &= 6 + 5 \\
 11 &= 5 + 6 \\
 11 &= 4 + 7 \\
 11 &= 3 + 8 \\
 11 &= 2 + 9 \\
 11 &= 1 + 10 \\
 11 &= 0 + 11
 \end{aligned}$$



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

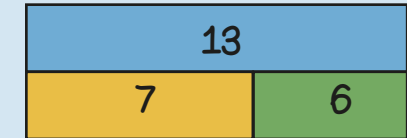
$$\begin{aligned}
 12 &= 12 + 0 \\
 12 &= 11 + 1 \\
 12 &= 10 + 2 \\
 12 &= 9 + 3 \\
 12 &= 8 + 4 \\
 12 &= 7 + 5 \\
 12 &= 6 + 6 \\
 12 &= 5 + 7 \\
 12 &= 4 + 8 \\
 12 &= 3 + 9 \\
 12 &= 2 + 10 \\
 12 &= 1 + 11 \\
 12 &= 0 + 12
 \end{aligned}$$



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

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

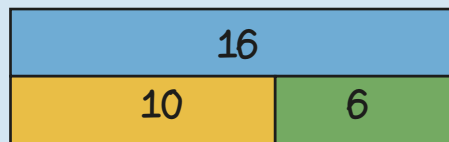
$$\begin{aligned}
 13 &= 13 + 0 \\
 13 &= 12 + 1 \\
 13 &= 11 + 2 \\
 13 &= 10 + 3 \\
 13 &= 9 + 4 \\
 13 &= 8 + 5 \\
 13 &= 7 + 6 \\
 13 &= 6 + 7 \\
 13 &= 5 + 8 \\
 13 &= 4 + 9 \\
 13 &= 3 + 10 \\
 13 &= 2 + 11 \\
 13 &= 1 + 12 \\
 13 &= 0 + 13
 \end{aligned}$$



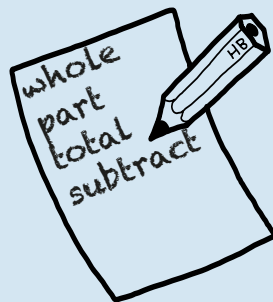
7 is one part
6 is one part
13 is the whole

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

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

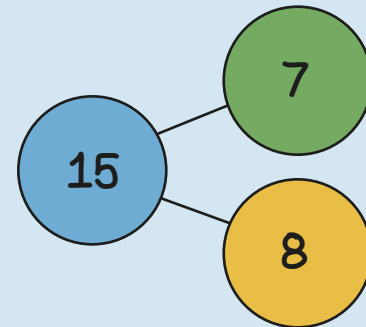


10 is one part
6 is one part
16 is the whole



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

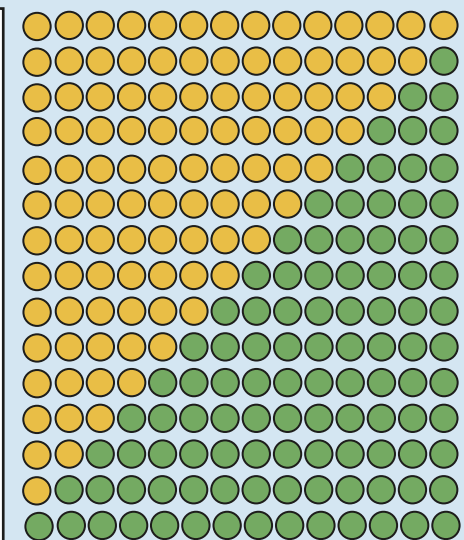
$$\begin{aligned}
 15 &= 15 + 0 \\
 15 &= 14 + 1 \\
 15 &= 13 + 2 \\
 15 &= 12 + 3 \\
 15 &= 11 + 4 \\
 15 &= 10 + 5 \\
 15 &= 9 + 6 \\
 15 &= 8 + 7 \\
 15 &= 7 + 8 \\
 15 &= 6 + 9 \\
 15 &= 5 + 10 \\
 15 &= 4 + 11 \\
 15 &= 3 + 12 \\
 15 &= 2 + 13 \\
 15 &= 1 + 14 \\
 15 &= 0 + 15
 \end{aligned}$$



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.

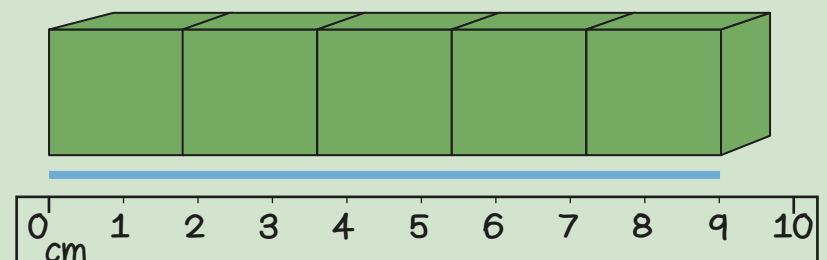


The yellow line is longer than the green line
so the green line is shorter than the yellow line.



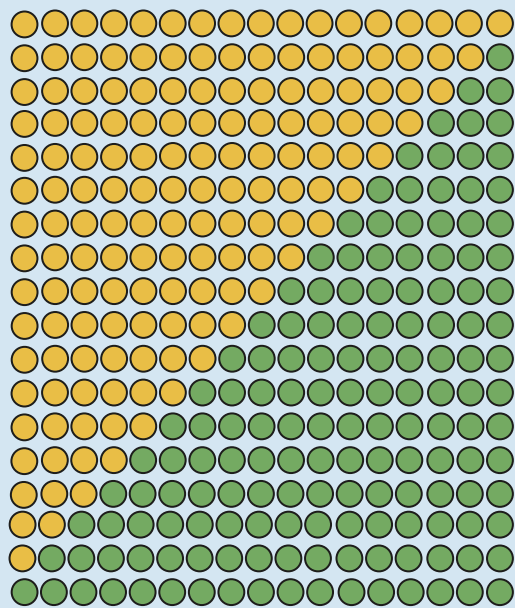
The blue line is longest.

The blue line is 5 blocks long.



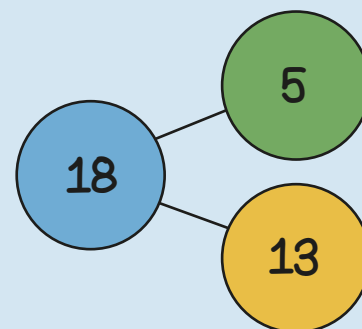
The blue line is 9 centimetres long.

$$\begin{aligned}
 17 &= 17 + 0 \\
 17 &= 16 + 1 \\
 17 &= 15 + 2 \\
 17 &= 14 + 3 \\
 17 &= 13 + 4 \\
 17 &= 12 + 5 \\
 17 &= 11 + 6 \\
 17 &= 10 + 7 \\
 17 &= 9 + 8 \\
 17 &= 8 + 9 \\
 17 &= 7 + 10 \\
 17 &= 6 + 11 \\
 17 &= 5 + 12 \\
 17 &= 4 + 13 \\
 17 &= 3 + 14 \\
 17 &= 2 + 15 \\
 17 &= 1 + 16 \\
 17 &= 0 + 17
 \end{aligned}$$



$$\begin{aligned}
 17 - 0 &= 17 \\
 17 - 1 &= 16 \\
 17 - 2 &= 15 \\
 17 - 3 &= 14 \\
 17 - 4 &= 13 \\
 17 - 5 &= 12 \\
 17 - 6 &= 11 \\
 17 - 7 &= 10 \\
 17 - 8 &= 9 \\
 17 - 9 &= 8 \\
 17 - 10 &= 7 \\
 17 - 11 &= 6 \\
 17 - 12 &= 5 \\
 17 - 13 &= 4 \\
 17 - 14 &= 3 \\
 17 - 15 &= 2 \\
 17 - 16 &= 1 \\
 17 - 17 &= 0
 \end{aligned}$$

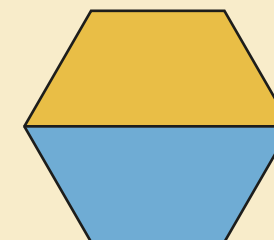
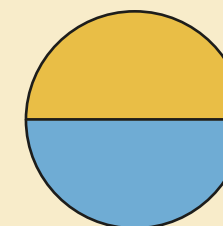
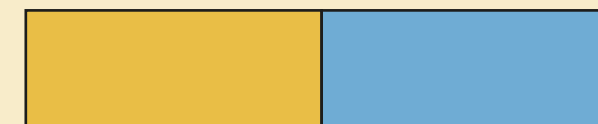
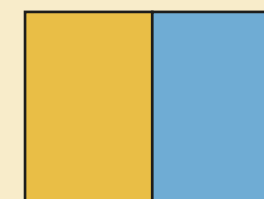
$$\begin{aligned}
 18 &= 18 + 0 \\
 18 &= 17 + 1 \\
 18 &= 16 + 2 \\
 18 &= 15 + 3 \\
 18 &= 14 + 4 \\
 18 &= 13 + 5 \\
 18 &= 12 + 6 \\
 18 &= 11 + 7 \\
 18 &= 10 + 8 \\
 18 &= 9 + 9 \\
 18 &= 8 + 10 \\
 18 &= 7 + 11 \\
 18 &= 6 + 12 \\
 18 &= 5 + 13 \\
 18 &= 4 + 14 \\
 18 &= 3 + 15 \\
 18 &= 2 + 16 \\
 18 &= 1 + 17 \\
 18 &= 0 + 18
 \end{aligned}$$



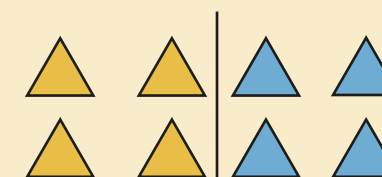
5 is one part
13 is one part
18 is the whole

$$\begin{aligned}
 18 - 0 &= 18 \\
 18 - 1 &= 17 \\
 18 - 2 &= 16 \\
 18 - 3 &= 15 \\
 18 - 4 &= 14 \\
 18 - 5 &= 13 \\
 18 - 6 &= 12 \\
 18 - 7 &= 11 \\
 18 - 8 &= 10 \\
 18 - 9 &= 9 \\
 18 - 10 &= 8 \\
 18 - 11 &= 7 \\
 18 - 12 &= 6 \\
 18 - 13 &= 5 \\
 18 - 14 &= 4 \\
 18 - 15 &= 3 \\
 18 - 16 &= 2 \\
 18 - 17 &= 1 \\
 18 - 18 &= 0
 \end{aligned}$$

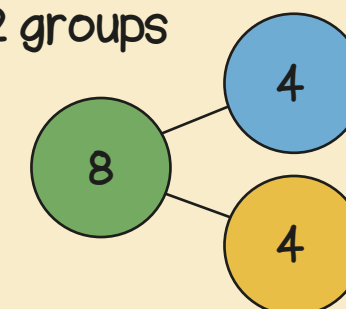
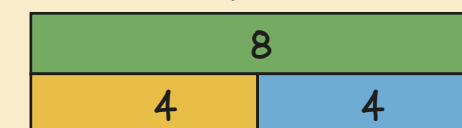
One half is one of two equal parts



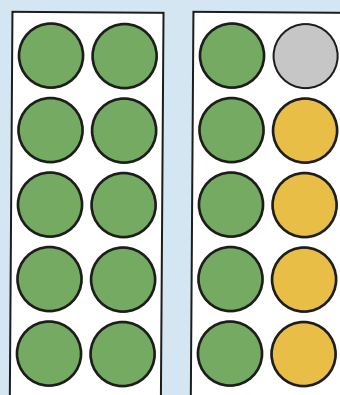
$\frac{1}{2}$ of each shape is yellow.



Share equally into 2 groups



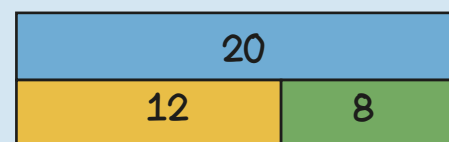
$$\begin{aligned}
 19 &= 19 + 0 \\
 19 &= 18 + 1 \\
 19 &= 17 + 2 \\
 19 &= 16 + 3 \\
 19 &= 15 + 4 \\
 19 &= 14 + 5 \\
 19 &= 13 + 6 \\
 19 &= 12 + 7 \\
 19 &= 11 + 8 \\
 19 &= 10 + 9 \\
 19 &= 9 + 10 \\
 19 &= 8 + 11 \\
 19 &= 7 + 12 \\
 19 &= 6 + 13 \\
 19 &= 5 + 14 \\
 19 &= 4 + 15 \\
 19 &= 3 + 16 \\
 19 &= 2 + 17 \\
 19 &= 1 + 18 \\
 19 &= 0 + 19
 \end{aligned}$$



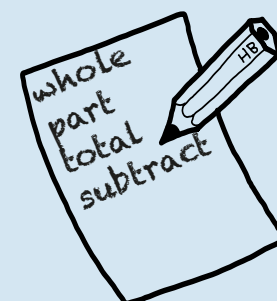
If I know
 $5 + 4 = 9$
then I also know
 $15 + 4 = 19$

$$\begin{aligned}
 19 - 0 &= 19 \\
 19 - 1 &= 18 \\
 19 - 2 &= 17 \\
 19 - 3 &= 16 \\
 19 - 4 &= 15 \\
 19 - 5 &= 14 \\
 19 - 6 &= 13 \\
 19 - 7 &= 12 \\
 19 - 8 &= 11 \\
 19 - 9 &= 10 \\
 19 - 10 &= 9 \\
 19 - 11 &= 8 \\
 19 - 12 &= 7 \\
 19 - 13 &= 6 \\
 19 - 14 &= 5 \\
 19 - 15 &= 4 \\
 19 - 16 &= 3 \\
 19 - 17 &= 2 \\
 19 - 18 &= 1 \\
 19 - 19 &= 0
 \end{aligned}$$

$$\begin{aligned}
 20 &= 20 + 0 \\
 20 &= 19 + 1 \\
 20 &= 18 + 2 \\
 20 &= 17 + 3 \\
 20 &= 16 + 4 \\
 20 &= 15 + 5 \\
 20 &= 14 + 6 \\
 20 &= 13 + 7 \\
 20 &= 12 + 8 \\
 20 &= 11 + 9 \\
 20 &= 10 + 10 \\
 20 &= 9 + 11 \\
 20 &= 8 + 12 \\
 20 &= 7 + 13 \\
 20 &= 6 + 14 \\
 20 &= 5 + 15 \\
 20 &= 4 + 16 \\
 20 &= 3 + 17 \\
 20 &= 2 + 18 \\
 20 &= 1 + 19 \\
 20 &= 0 + 20
 \end{aligned}$$

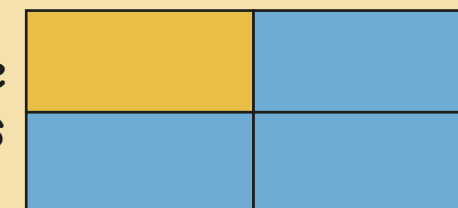


12 is one part
8 is one part
20 is the whole

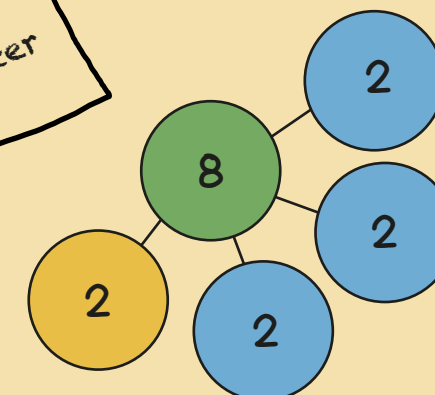
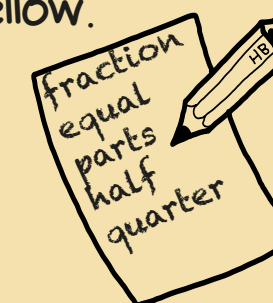
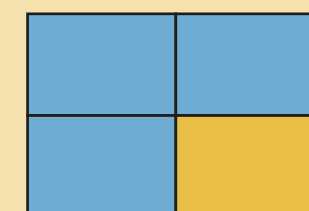


$$\begin{aligned}
 20 - 0 &= 20 \\
 20 - 1 &= 19 \\
 20 - 2 &= 18 \\
 20 - 3 &= 17 \\
 20 - 4 &= 16 \\
 20 - 5 &= 15 \\
 20 - 6 &= 14 \\
 20 - 7 &= 13 \\
 20 - 8 &= 12 \\
 20 - 9 &= 11 \\
 20 - 10 &= 10 \\
 20 - 11 &= 9 \\
 20 - 12 &= 8 \\
 20 - 13 &= 7 \\
 20 - 14 &= 6 \\
 20 - 15 &= 5 \\
 20 - 16 &= 4 \\
 20 - 17 &= 3 \\
 20 - 18 &= 2 \\
 20 - 19 &= 1 \\
 20 - 20 &= 0
 \end{aligned}$$

One quarter is one of four equal parts



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

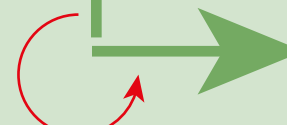


Share into 4 equal groups

Year 1 Term 4



One quarter turn right



Three-quarter turn left



Coco is above Colin

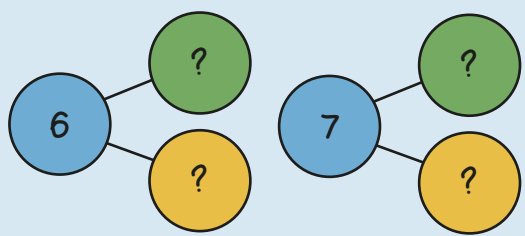
Colin is below Coco



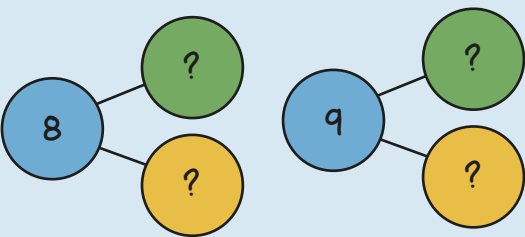
KeePuppI is between Colin and Coco



Licensed to and for the exclusive use for School organisation_Red Oaks Primary School



I just know it!

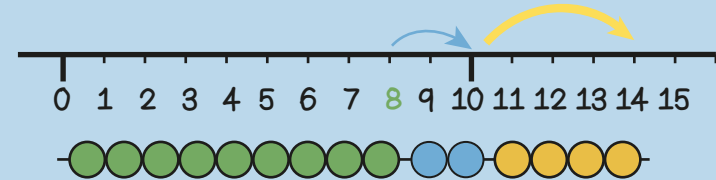


Magic 10

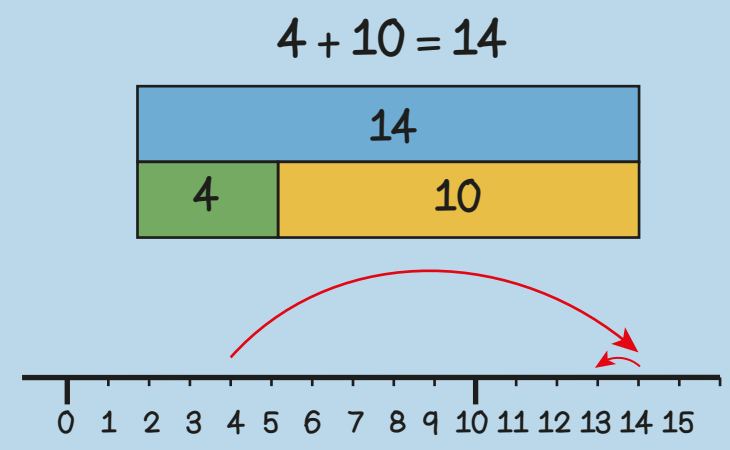
$8 + 6 = 14$

$2 + 4 = 6$

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

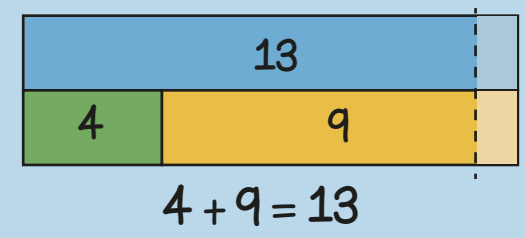


$4 + 10 = 14$



addition
total
sum
part whole
equals

subtract
take away
difference



then...

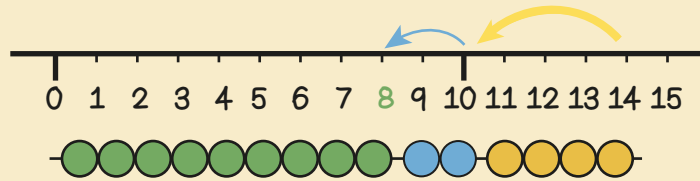
$19 - 4 = ?$

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

$14 - 6 = 8$

$4 + 2 = 6$

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

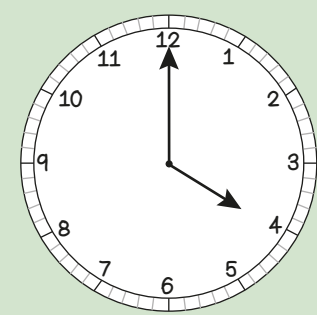


$14 - 10 = 4$

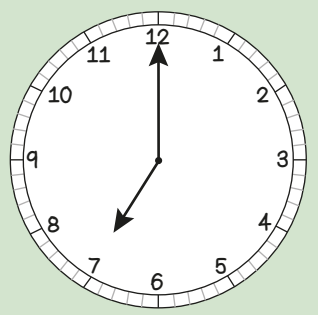
$14 - 9 = 5$

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

Year 1 Term 5

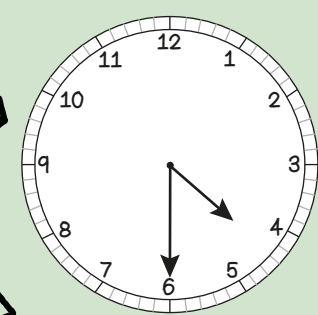


4 o'clock

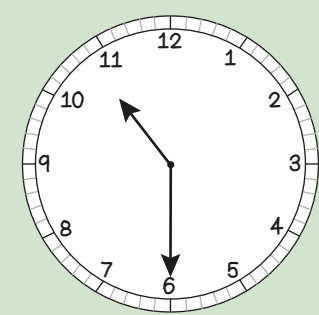


7 o'clock

o'clock
half past
tomorrow
yesterday



Half past 4



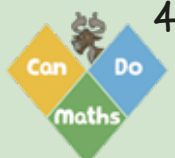
Half past 10

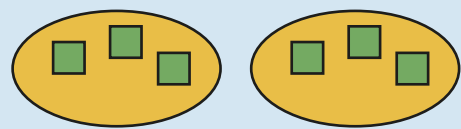
Monday Tuesday Wednesday Thursday Friday Saturday Sunday

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

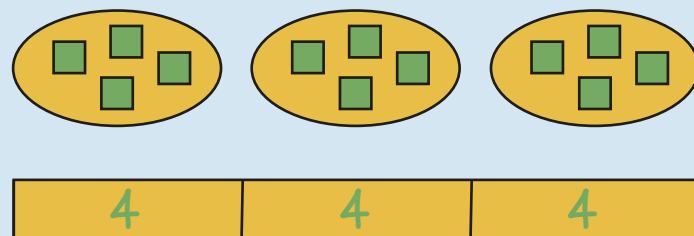




Double 3 is 6
 $3 + 3 = 6$
 2 groups of 3 = 6

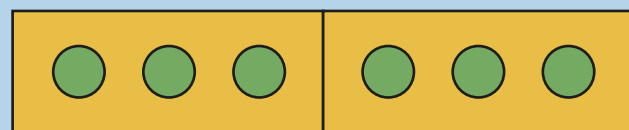
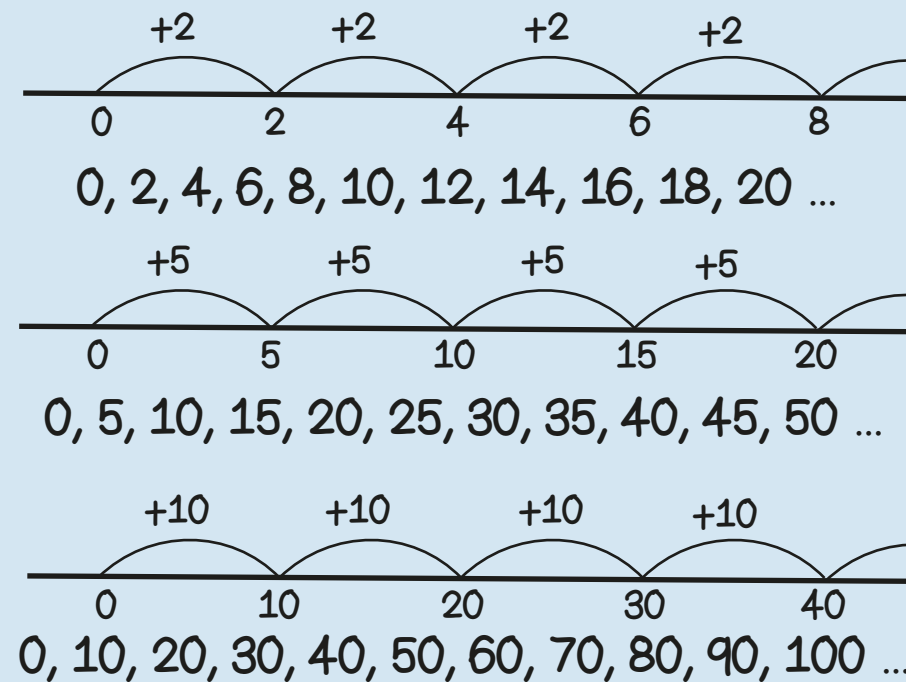
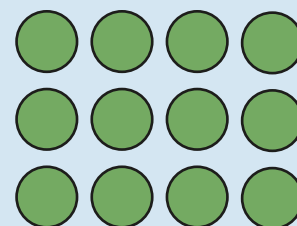
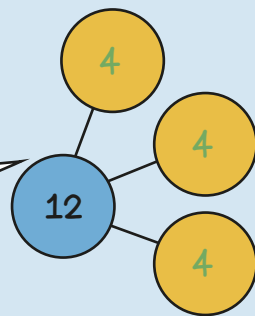
multiply
 equal
 share
 group
 divide

The groups
 are equal

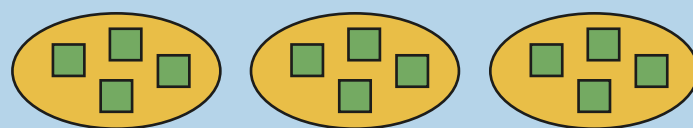


3 groups of 4

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



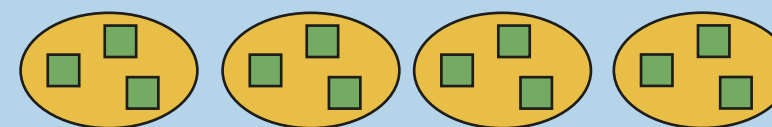
Half of 6 is 3
 6 shared equally into
 2 groups is
 3 in each group



12 divided equally into
 3 groups is
 4 in each group

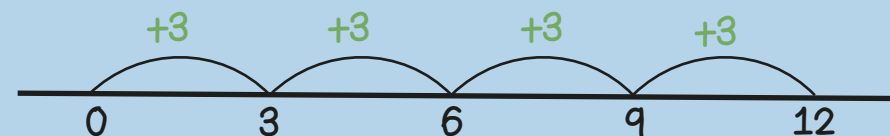


The groups
 are equal



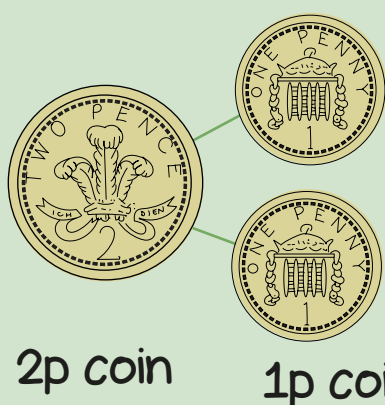
12 divided equally
 into groups of 3
 is 4 groups

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

