42
forty-two
4 tens and 2 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

$3 = 3$
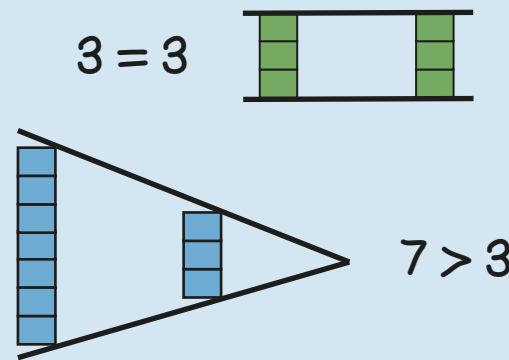
$7 > 3$

52 is more than 42
$52 > 42$

42 is less than 52
$42 < 52$

10s   1s

$42 = 40 + 2$
$42 = 30 + 12$
$42 = 20 + 22$
$42 = 10 + 32$

number
digit
less
greater
ones
tens

Stop and look.
What do you notice?

10 less   10 more

10 less than 42 is 32   10 more than 42 is 52

0   10   20   30   40   50   60   70   80   90   100
zero ten twenty thirty forty fifty sixty seventy eighty ninety one hundred
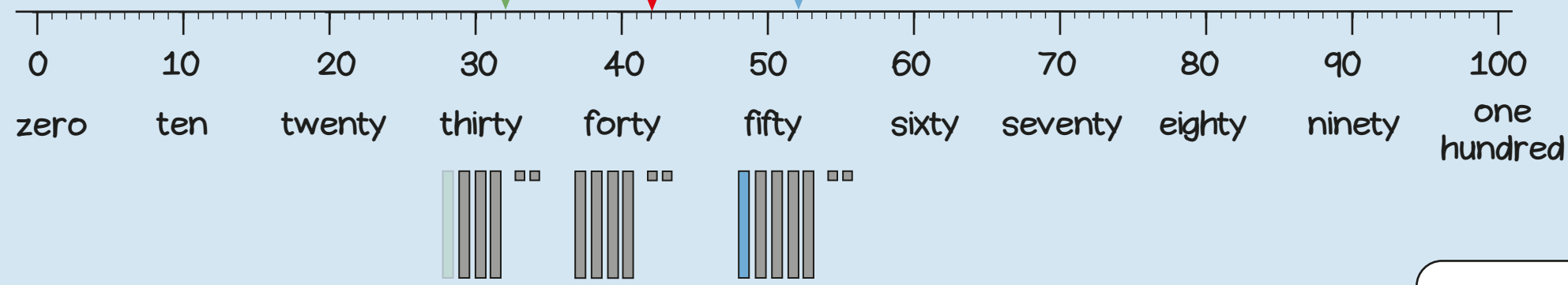
35 + 20
Add multiples of ten

If I know 3 + 2
then I also know...

10s   1s

+10   +10
35   45   55
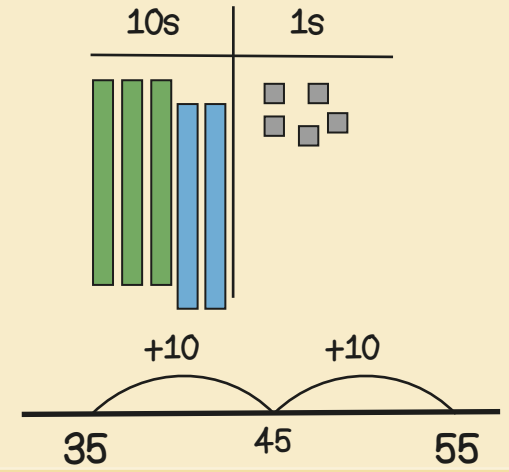
37 + 19
Round then adjust

10s   1s

Add 20 then subtract 1

+20
37   56   57
-1
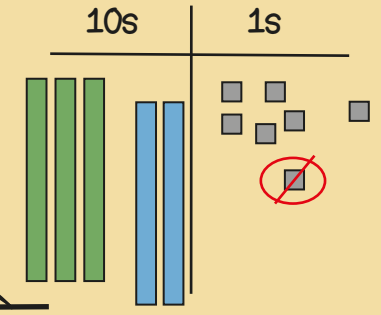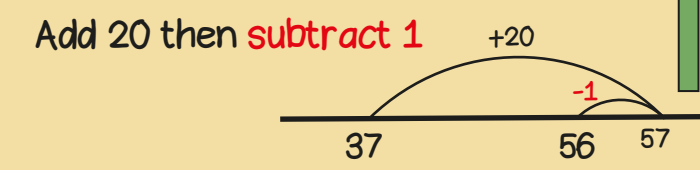
35 + 23
Partition and recombine

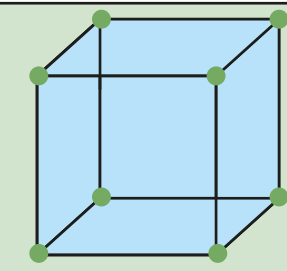10s   1s

35 + 23
30 + 5 + 20 + 3
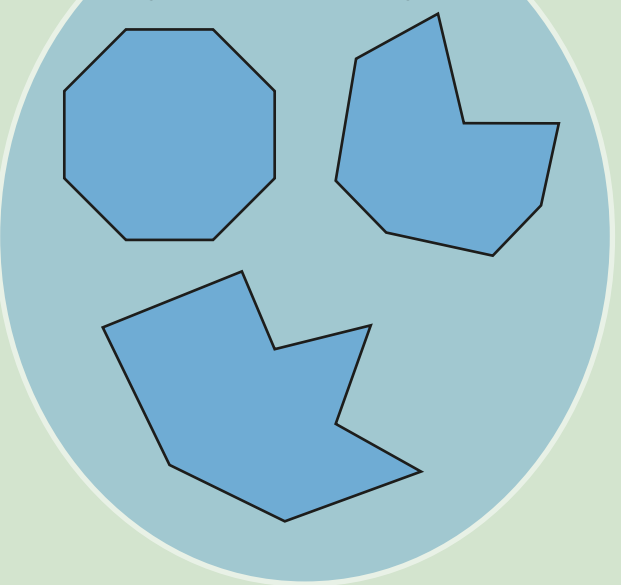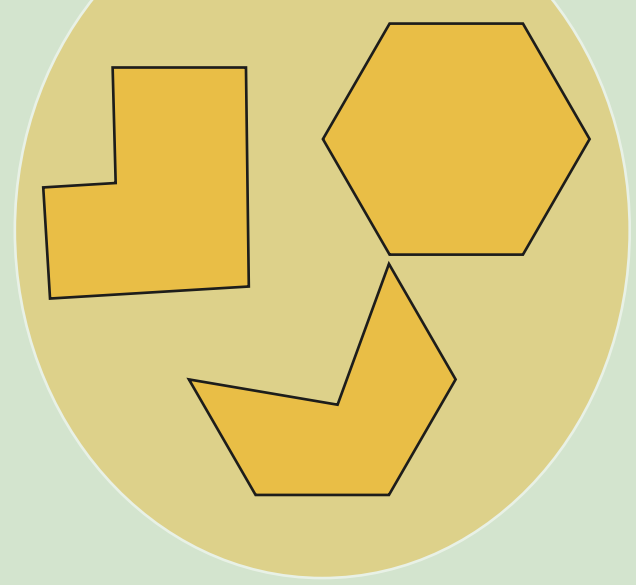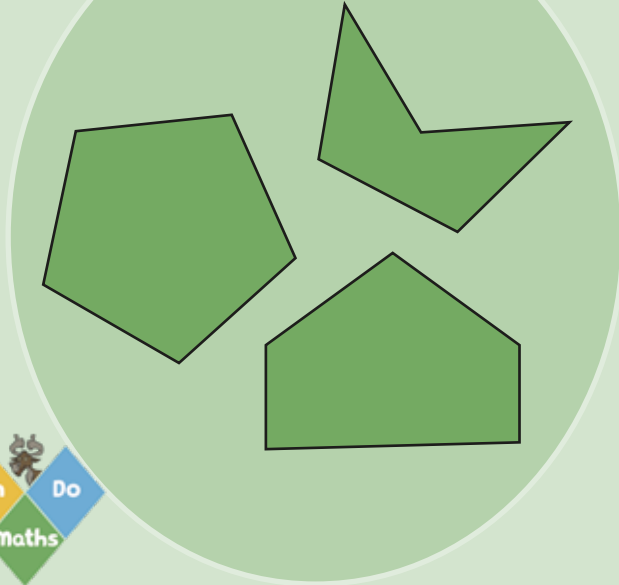
addend
sum
plus
total

50 + 8 = 58
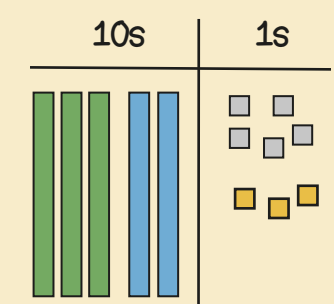
$35 + 23 = 23 + 35$
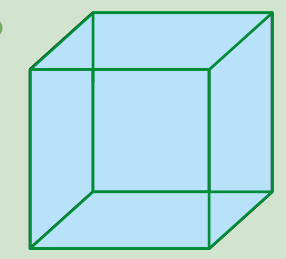Addition is commutative

Year 2 Term 1
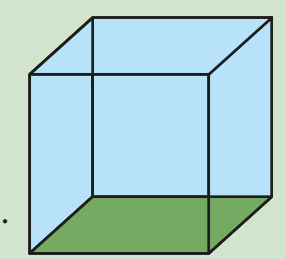
Pentagons - 5 straight sides

Hexagons - 6 straight sides

Octagons - 8 straight sides

A vertex is the corner of a 3D shape.
This cube has 8 vertices.

An edge joins 2 vertices.
This cube has 12 edges.

pentagon
hexagon
octagon
vertex
edge
face

The flat surface is a face.
This cube has 6 faces.

Can Do Maths

Subtraction Facts

10	10 – 0								
9	10 – 1	9 – 0							
8	10 – 2	9 – 1	8 – 0						
7	10 – 3	9 – 2	8 – 1	7 – 0					
6	10 – 4	9 – 3	8 – 2	7 – 1	6 – 0				
5	10 – 5	9 – 4	8 – 3	7 – 2	6 – 1	5 – 0			
4	10 – 6	9 – 5	8 – 4	7 – 3	6 – 2	5 – 1	4 – 0		
3	10 – 7	9 – 6	8 – 5	7 – 4	6 – 3	5 – 2	4 – 1	3 – 0	
2	10 – 8	9 – 7	8 – 6	7 – 5	6 – 4	5 – 3	4 – 2	3 – 1	2 – 0
1	10 – 9	9 – 8	8 – 7	7 – 6	6 – 5	5 – 4	4 – 3	3 – 2	2 – 1
0	10 – 10	9 – 9	8 – 8	7 – 7	6 – 6	5 – 5	4 – 4	3 – 3	2 – 2

If I know $5 - 2 = 3$
then I also know
$50 - 20 = 30$

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

4 multiplied by 3
$4 \times 3 = 12$

3 groups of 4
$3 \times 4 = 12$

multiply
equal
share
group
divide

$12 \div 3 = 4$
12 divided equally
into 3 groups

$12 \div 3 = 4$
12 divided equally
into groups of 3

$+3$ $+3$ $+3$ $+3$

0   3   6   9   12

How many 3s
in twelve?
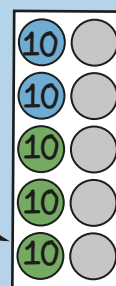
$56 - 19$
Round then adjust

Subtract 20 then **add 1**

10s   1s

-20
$+1$
36 37   56
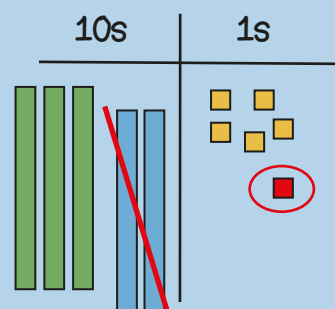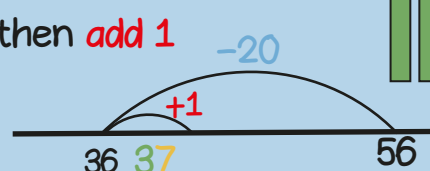
$55 - 20$
Subtract multiples of ten

10s   1s

-10 -10
35   45   55
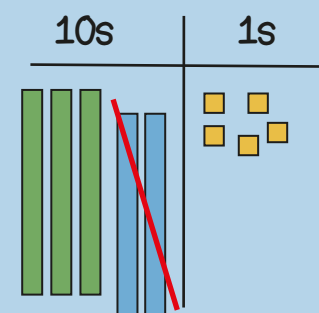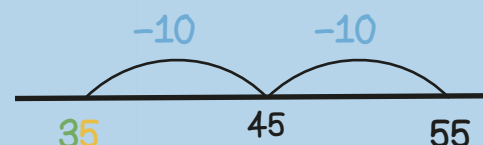
$52 - 47$
Find the difference between
two numbers

Stop and look.
What do you notice?
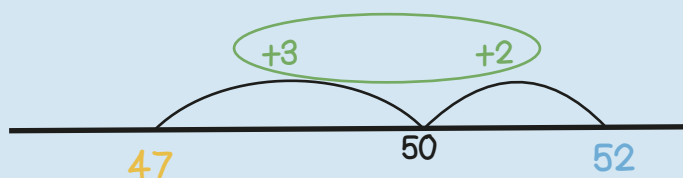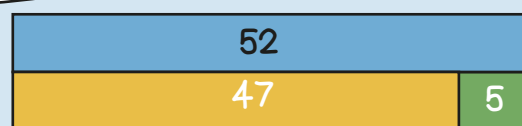
subtract
difference
commutative

$52 - 47 = \bigcirc$
$47 + \bigcirc = 52$

52
47   5

$+3$ $+2$
47   50   52
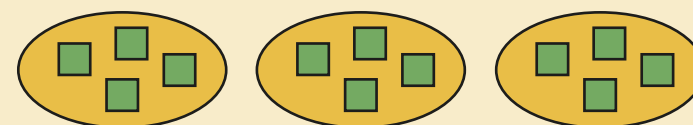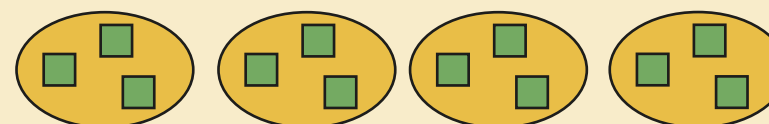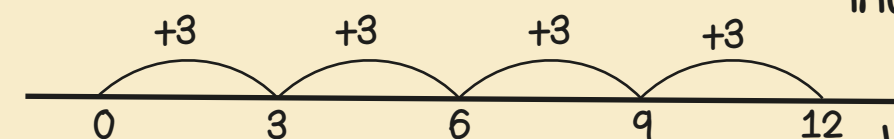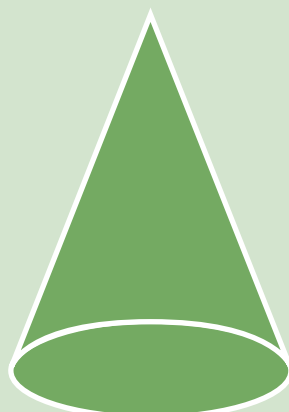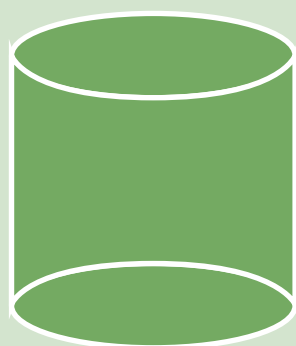
$52 - 47$ is not equal to $47 - 52$
Subtraction is not commutative
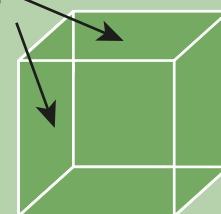
Year 2 Term 2
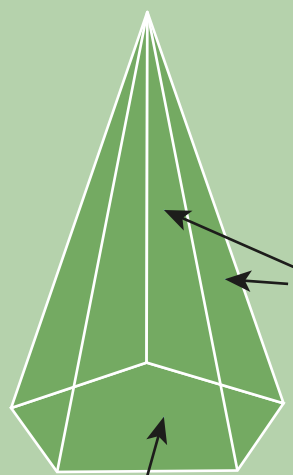
A cylinder is a 3-D shape
with circles at both ends

A cone is a 3-D shape with a
circular base and a curved
surface that meets at a
point

All faces are
squares

Some faces are
triangles

This face is a
pentagon

cylinder
face
cone
clockwise
anti-
clockwise
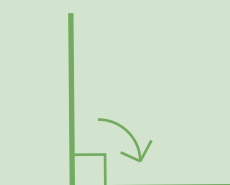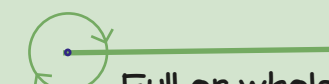
Clockwise

Anti-clockwise

1 right angle turn
or 1 quarter turn
clockwise

3 right angle turns or
3 quarter turns
anti-clockwise

2 right angle turns
or 1 half turn
anti-clockwise

Full or whole turn
clockwise

Multiplication facts of 2

You CanDo all the multiplication facts of 2.

0 x 2 = 0 = 2 x 0
1 x 2 = 2 = 2 x 1
2 x 2 = 4 = 2 x 2
3 x 2 = 6 = 2 x 3
4 x 2 = 8 = 2 x 4
5 x 2 = 10 = 2 x 5
6 x 2 = 12 = 2 x 6
7 x 2 = 14 = 2 x 7
8 x 2 = 16 = 2 x 8
9 x 2 = 18 = 2 x 9
10 x 2 = 20 = 2 x 10
11 x 2 = 22 = 2 x 11
12 x 2 = 24 = 2 x 12

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Factor, factor, product

2, 1, 2
2, 2, 4
2, 4, 8
2, 8, 16

2, 10, 20
2, 5, 10

2, 3, 6
2, 6, 12
2, 12, 24

2, 11, 22
2, 9, 18
2, 7, 14
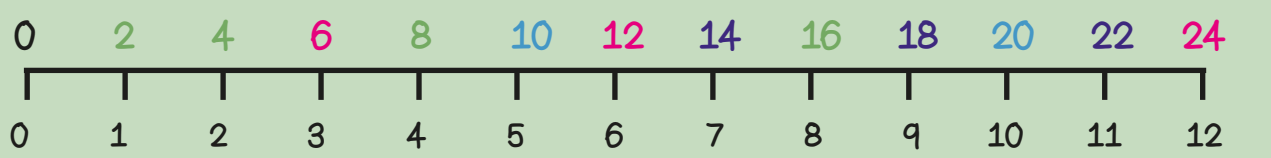
There is a repeating pattern of 0, 2, 4, 6, 8

Even numbers are divisible by 2

0 2 4 6 8 10 12 14 16 18 20 22 24
0 1 2 3 4 5 6 7 8 9 10 11 12

2 x 5 = 10
10 = 2 x 5
10 ÷ 2 = 5
5 = 10 ÷ 2

5 x 2 = 10
10 = 5 x 2
10 ÷ 5 = 2
2 = 10 ÷ 5

If I know... then I also know...

Multiplication facts of 10

You CanDo all the multiplication facts of 10.

|	
0 x 10 = 0 = 10 x 0
1 x 10 = 10 = 10 x 1
2 x 10 = 20 = 10 x 2
3 x 10 = 30 = 10 x 3
4 x 10 = 40 = 10 x 4
5 x 10 = 50 = 10 x 5
6 x 10 = 60 = 10 x 6
7 x 10 = 70 = 10 x 7
8 x 10 = 80 = 10 x 8
9 x 10 = 90 = 10 x 9
10 x 10 = 100 = 10 x 10
11 x 10 = 110 = 10 x 11
12 x 10 = 120 = 10 x 12

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multiple
factor
product
odd
even

10, 1, 10
10, 2, 20
10, 4, 40
10, 8, 80

10, 10, 100
10, 5, 50

10, 3, 30
10, 6, 60
10, 12, 120

10, 11, 110
10, 9, 90
10, 7, 70

Multiples of 10 all have a zero in the ones column.

The products of 10 are even numbers.

0 10 20 30 40 50 60 70 80 90 100 110 120
0 1 2 3 4 5 6 7 8 9 10 11 12
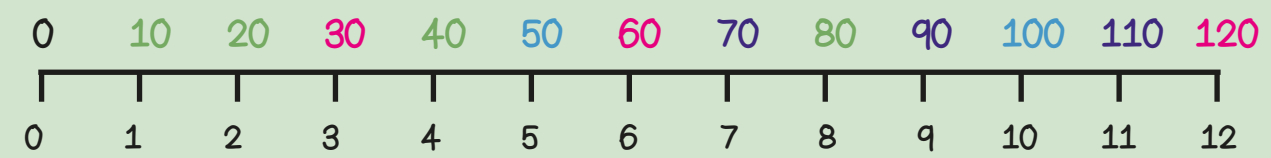
Multiplication facts of 5

You CanDo all the multiplication facts of 5

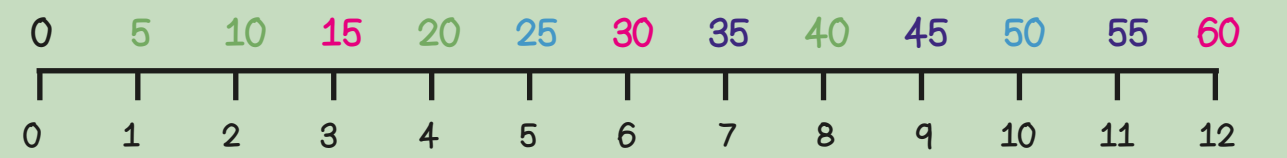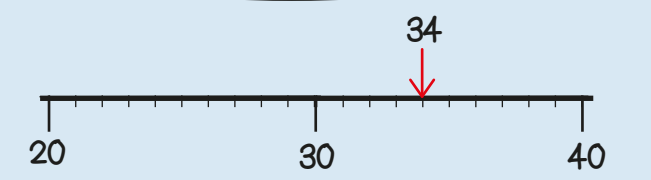|	
0 x 5 = 0 = 5 x 0
1 x 5 = 5 = 5 x 1
2 x 5 = 10 = 5 x 2
3 x 5 = 15 = 5 x 3
4 x 5 = 20 = 5 x 4
5 x 5 = 25 = 5 x 5
6 x 5 = 30 = 5 x 6
7 x 5 = 35 = 5 x 7
8 x 5 = 40 = 5 x 8
9 x 5 = 45 = 5 x 9
10 x 5 = 50 = 5 x 10
11 x 5 = 55 = 5 x 11
12 x 5 = 60 = 5 x 12

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5, 1, 5
5, 2, 10
5, 4, 20
5, 8, 40

5, 10, 50
5, 5, 25

5, 3, 15
5, 6, 30
5, 12, 60

5, 11, 55
5, 9, 45
5, 7, 35

The product of an odd number and 5 is odd.

The product of an even number and 5 is even.

0 5 10 15 20 25 30 35 40 45 50 55 60
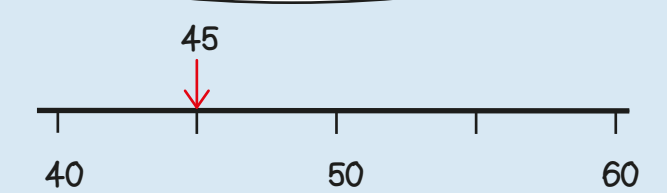0 1 2 3 4 5 6 7 8 9 10 11 12

If there are 10 steps to increase by 10 then the scale is going up in 1s.

34
20   30   40

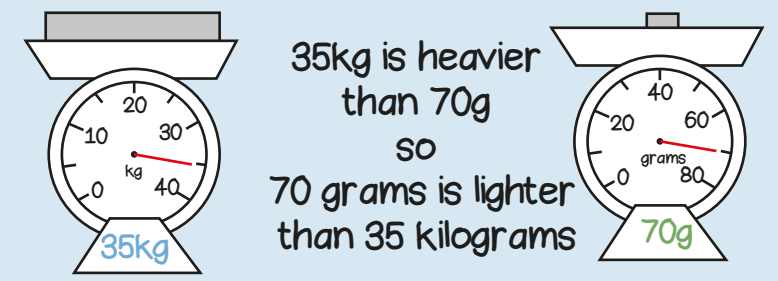If there are 5 steps to increase by 10 then the scale goes up in 2s.

54
40   50   60

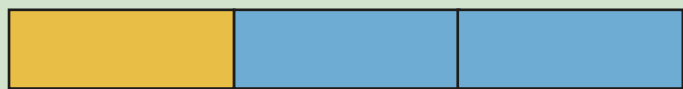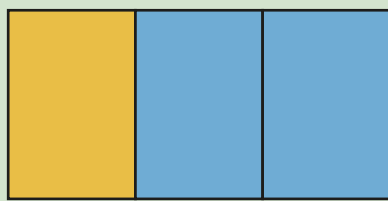If there are 2 steps to increase by 10 then the scale goes up in 5s.

45
40   50   60

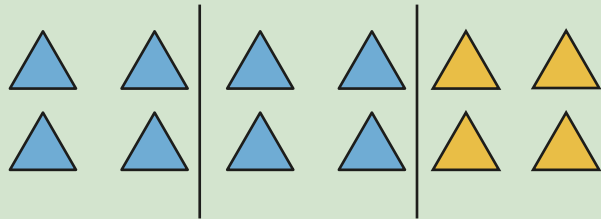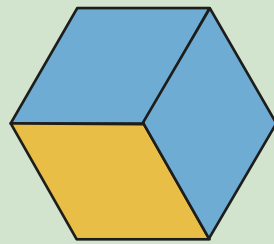Tree A is taller than tree B so tree B is shorter than tree A.

A   B

52cm > 25cm
25m < 52m
1m > 1cm

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

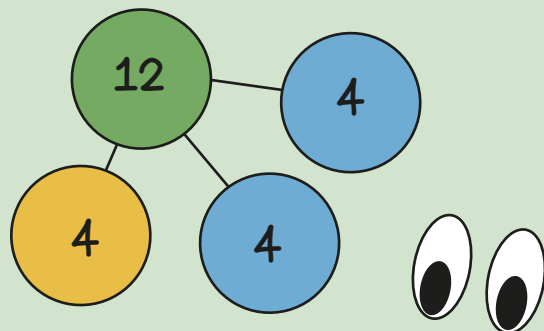35kg is heavier than 70g so 70 grams is lighter than 35 kilograms

35kg   70g

One third is one of three equal parts

$\frac{1}{3}$ of the whole is yellow

Share equally into 3 groups

12

4 | 4 | 4

12
4 | 4

$\frac{3}{4}$ of the whole is yellow

3 of 4 equal parts

fraction
equal
parts
third
equivalent

0 | $\frac{1}{4}$ | $\frac{2}{4}$ | $\frac{3}{4}$ | 1

0 | $\frac{1}{2}$ | 1

Two quarters are equivalent to one half

$\frac{2}{4}$ of the whole is yellow

$\frac{1}{2}$ of the whole is yellow

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60 minutes = 1 hour

24 hours = 1 day
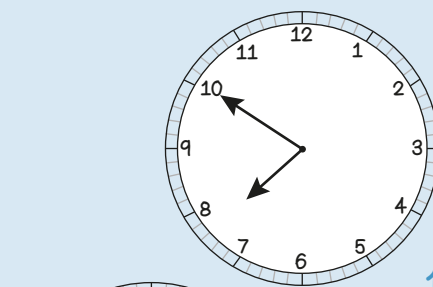
5 minutes to 8
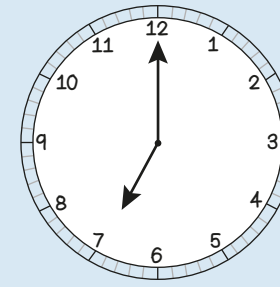
5 minutes past 7
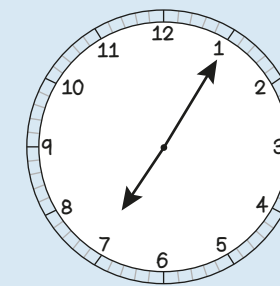
10 minutes to 8
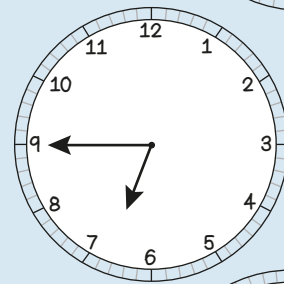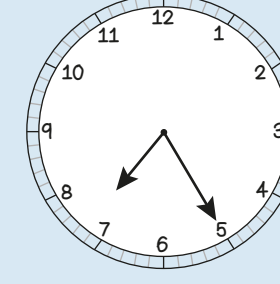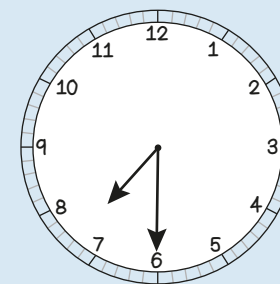
10 minutes past 7

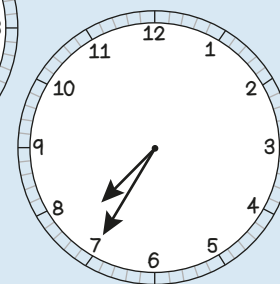quarter to 8

quarter past 7
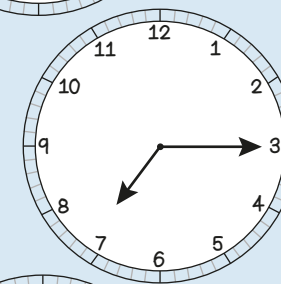
20 minutes to 8

20 minutes past 7

25 minutes to 8

25 minutes past 7

Year 2 Term 4
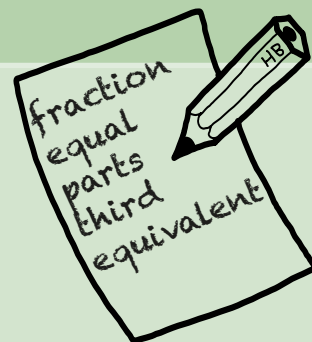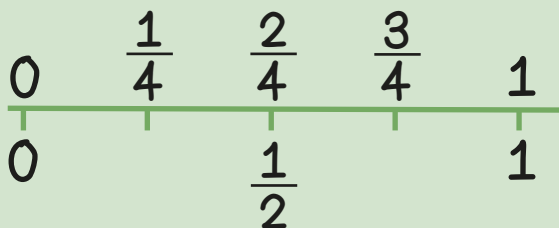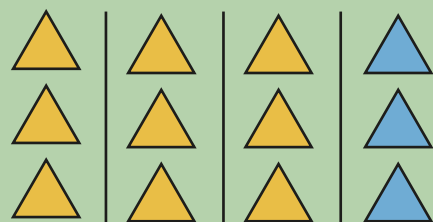
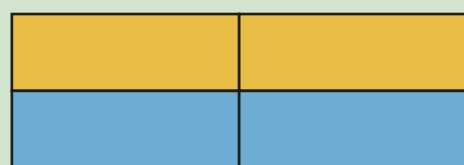£5 + £10 = £15

38p

30p | 8p | 1p

20p | 10p | 5p | 2p

Make 38p

70p in different ways
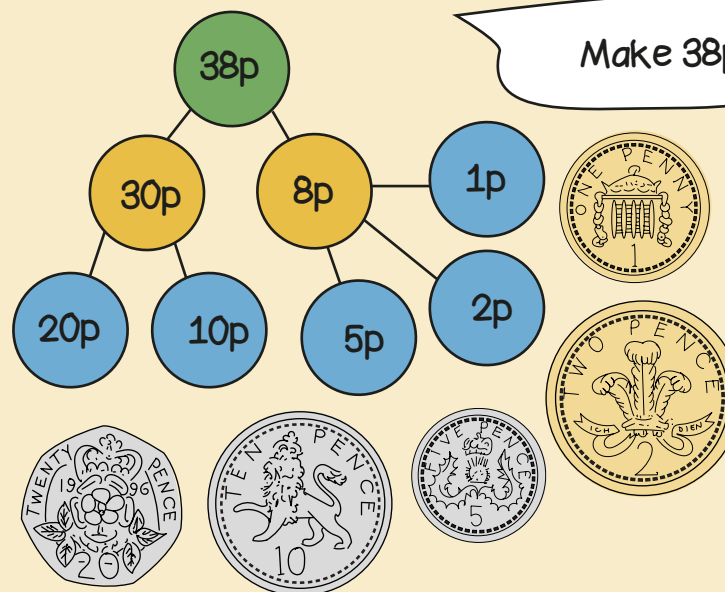
12p change from 50p

Spend 38p

62p change from £1

www.candomathsclub.co.uk
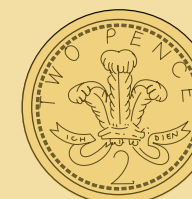
Pet	total
dogs	6
cats	4
mice	5
rabbits	1

6 people own dogs

tally table pictogram symbol represent block diagram
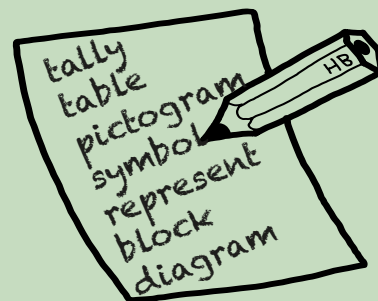
Pet	tally	total
cheese	IIII IIII	10
egg	IIII IIII IIII IIII	20
ham	IIII IIII IIII	15
salad	IIII	5

△ = 1 person

6 people own dogs.
16 people were asked in total.

● = 5 people

15 people like ham the best.
50 people were asked in total.

□ = 2 people

★ = 10 people

7 children play tennis

Number of children
Instrument played

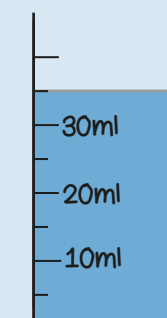7 children play piano

Number of children
Sports
Netball Hockey Tennis
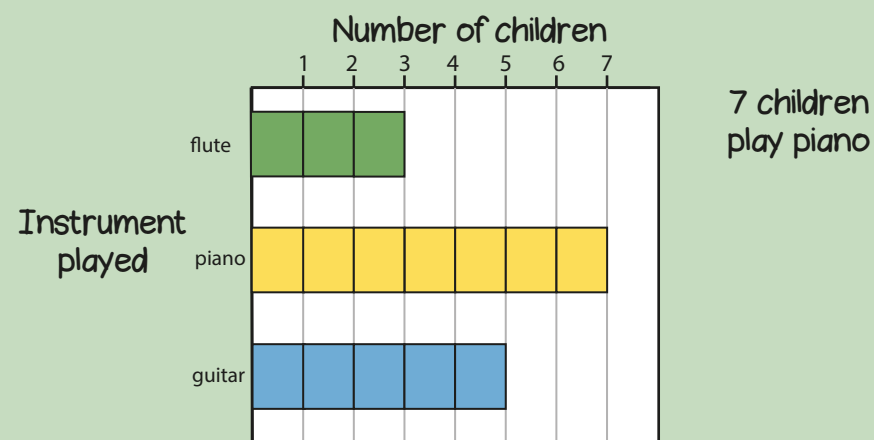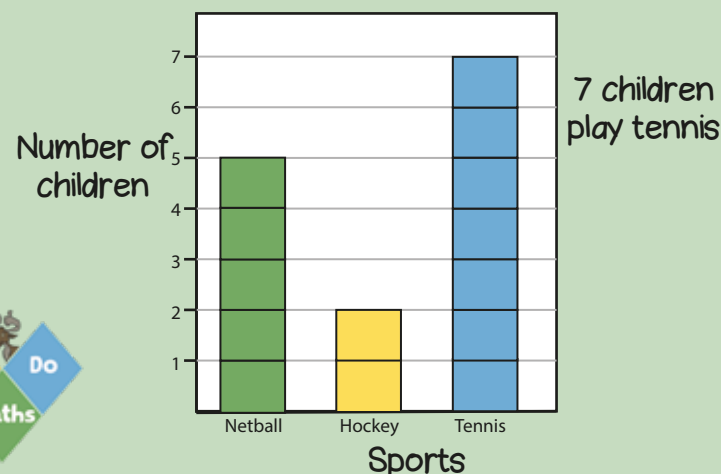
If there are 10 steps to increase by 10 then the scale is going up in 1s.
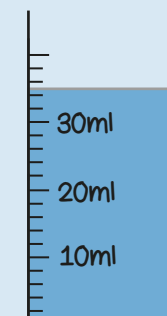
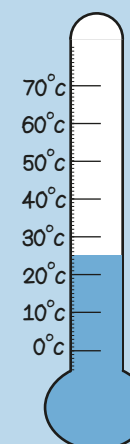If there are 5 steps to increase by 10 then the scale goes up in 2s.

If there are 2 steps to increase by 10 then the scale goes up in 5s.

1 litre
5 millilitres

1 litre > 5 millilitres

The bottle has a greater capacity than the teaspoon

25°C is hotter than 20°C
so
20°C is colder than 25°C

temperature hotter colder litres millilitres