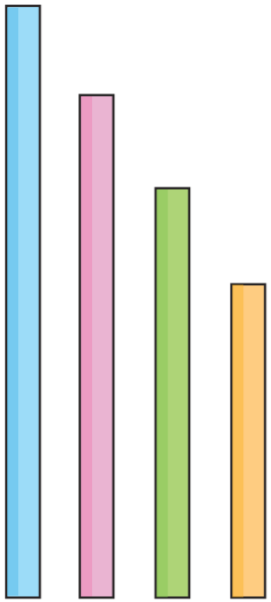
Somerset Bridge Primary School
Aspire - Brave - Care - Collaborate

Maths: Summer Y2 Measurement: Length and Height

Ordering Length



The straws are in order from longest to shortest.

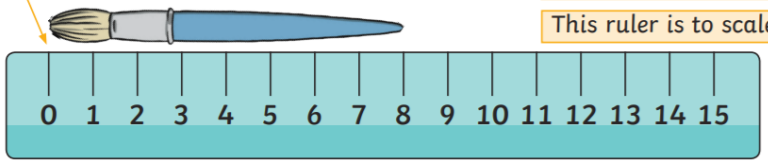
A is the longest.
D is the shortest.
B is longer than C.
C is shorter than A.

Measuring in Centimetres

Measure from zero.

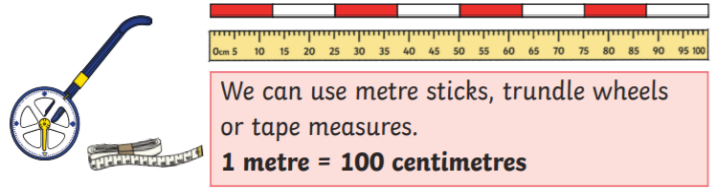
This ruler measures in **centimetres (cm)**. The paintbrush is 8cm long.

This ruler is to scale.



Measuring in Meters

We can measure the length or height of larger objects in **metres (m).**
The girl is 1m and 20cm tall.

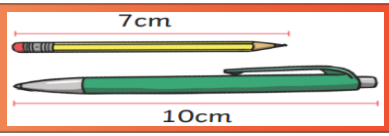


We can use metre sticks, trundle wheels or tape measures.
1 metre = 100 centimetres

Key Vocabulary

		✓
Length	Length is a measurement, which identifies the distance between two points.	
Long	The distance from end to end.	
Short	A small distance end to end.	
Height	The measurement of someone or something from head to foot or from base to top.	
Measure	Find out what the size is by using a ruler or meter stick.	
Ruler tape measure	Used to find out the length of an object.	
Meter stick	A measuring stick 100 centimeters long.	
Centimetre (cm)	A unit of measurement. There are 100cm in a meter.	
Compare	Take note of things that are the same or not the same.	
Order	Putting things into their correct place flowing a rule.	

The pencil is **shorter** than the pen.
The pen is **longer** than the pencil.



7cm<10cm

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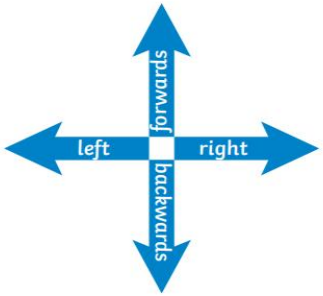
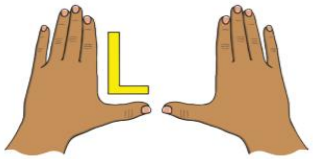
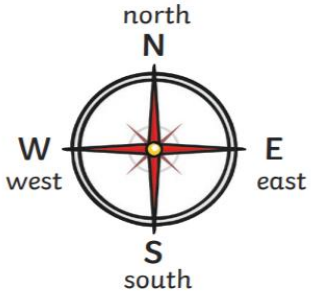
Maths: Summer Y2 Geometry: Position and Direction

Describing Straight - Line Movement

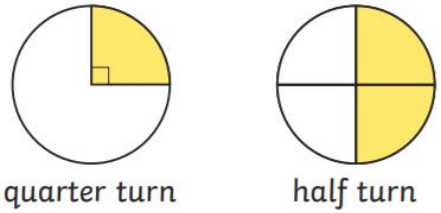




Left and Right
The hand that makes an **L** shape is the **left hand**.



Describing Turns



clockwise

anticlockwise

If the turn is in the same direction as the hands of a clock, it is **clockwise**.

If the turn is in the opposite direction to the hands of a clock, it is **anticlockwise**.

Key Vocabulary		✓
Forwards	In the direction that one is facing or travelling; towards the front.	
Backwards	The direction behind you.	
Left	The hand that makes an L shape is on the left.	
Right	The opposite of left.	
Quarter turn	A turn of 90° either clockwise or anti clockwise.	
Half turn	A turn of 180° either clockwise or anti clockwise (2 quarter turns).	
Three quarter turn	A turn of 270° either clockwise or anti clockwise (3 quarter turns).	
Clockwise	In the same direction as the way in which the hands of a clock move round.	
Anticlockwise	The opposite direction in which the hands of a clock move round.	

North = To or towards the north, opposite south. East = To or towards the east, opposite the west.
South = To or towards the south, opposite north. West = To or towards the west, opposite the east.

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Maths: Summer Y2
Measurement: Time

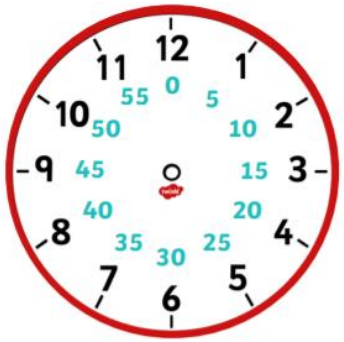
Telling Time to 5 Minutes

Hour Hand
The short hand points to the hour. If this hand is pointing between hours, it is either past the earlier hour or to the later hour.

Minute Hand
The long hand points to the minutes past or to the hour.

O'clock and Half Past

There are 24 hours in a Day



There are **60 minutes** in an hour.

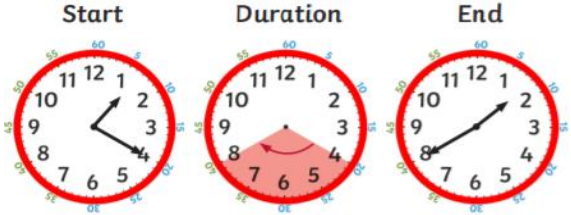
Compare Duration of Time

 A swimming lesson	30 minutes	 A visit to the cinema	2 hours
 The time it takes to do 1 star jump	1 second	 A favourite TV programme	20 minutes
 A nice long walk	3 hours	 A week at school	5 days

Key Vocabulary

		✓
Time	A moment during a day.	
Clock	A device to measure time.	
Hour	A period of time equal to 60 minutes	
Minutes	A period of time equal to 60 seconds.	
Hand	A pointer on a clock.	
O'clock	The minute hand is pointing to the 12.	
Half past	The minute hand is pointing to the 6.	
Quarter past	The minute hand is pointing to the 3.	
Quarter to	The minute hand is pointing to the 9.	
Duration	The time something takes.	

Find Durations of Time



20 Minutes has passed.

Past and to the hour.

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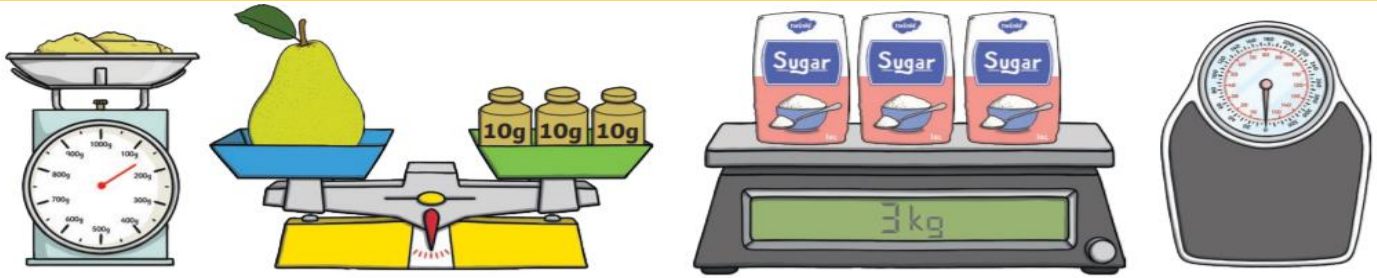
Maths: Summer Y2 Measurement: Mass, Capacity and Temperature

Mass



We use scales to measure **grams**.

A gram is a small unit of measurement that we use to measure how heavy or light something is.

We can write gram as **g**.

We measure the following using grams:

We also use scales to measure **kilograms**.

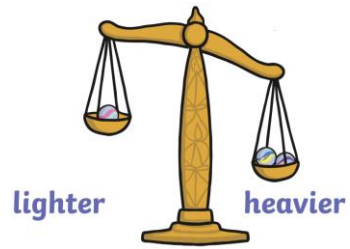
A kilogram is a larger unit of measurement that we use to measure how light or heavy something is.

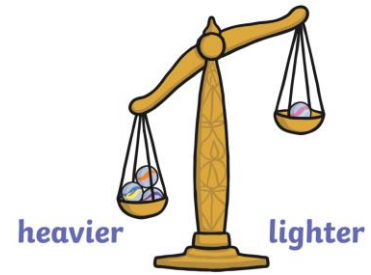
We can write kilogram as **kg**.

We measure the following using kilograms:

Comparing Mass

balanced





25 ml < 250ml

10l > 2l

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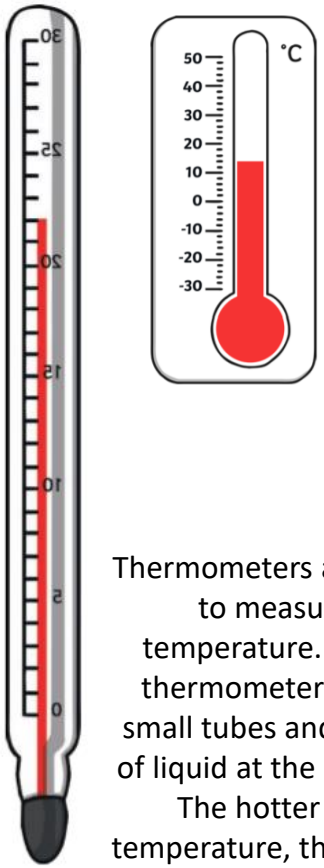
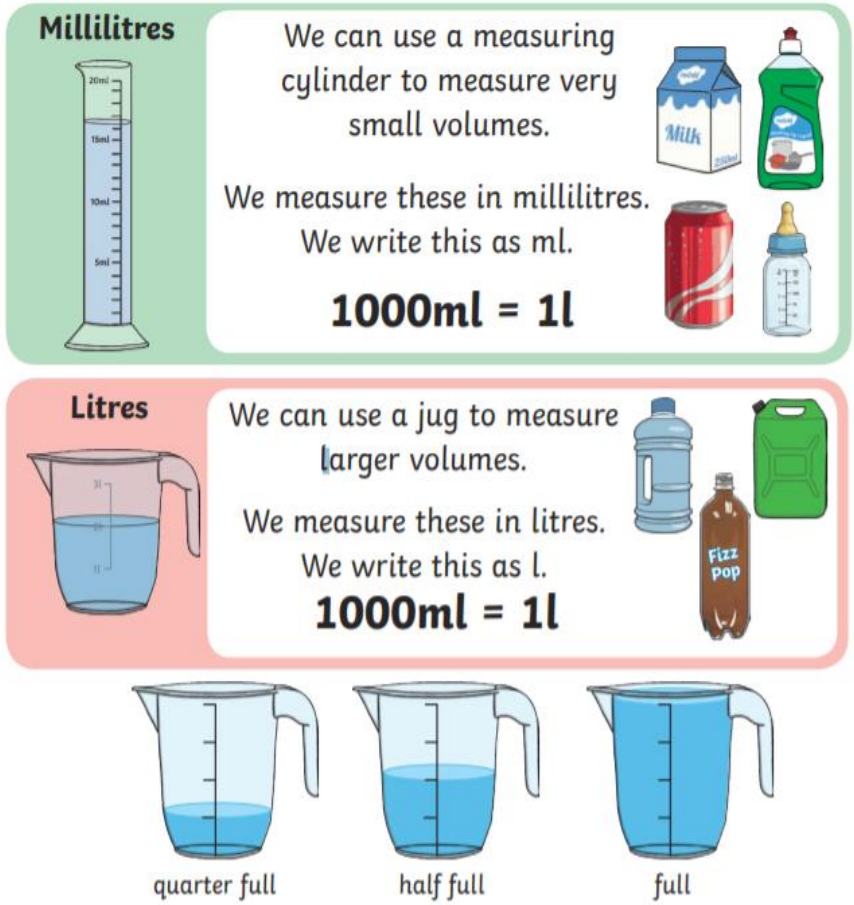
Maths: Summer Y2 Measurement: Mass, Capacity and Temperature

Temperature



Thermometers are used to measure temperature. Most thermometers have small tubes and a bulb of liquid at the bottom. The hotter the temperature, the higher the liquid will rise. The markings on the side of the glass tube show the temperature.

Capacity



Key Vocabulary		✓
Mass	The weight of an object.	
Gram	A unit of weight. 1000grams = 1 kilogram	
Kilogram	A unit of weight.	
Lighter	A weight that is less than another object.	
Heavier	A weight that is more than another object.	
Capacity	When measuring how much fluid fits inside a container.	
Volume	The amount of space within a container.	
Millilitre	A unit to measure fluid. There are 1000ml in a litre.	
Litre	A unit to measure fluid. The same as 1000ml.	
Temperature	A unit to measure heat.	
Celsius	A unit to measure temperature.	
Degrees	A way to measure temperature shown by using the symbol °.	

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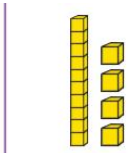
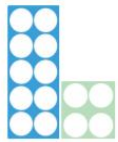
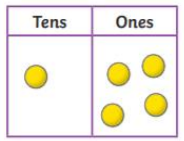
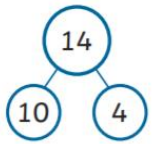
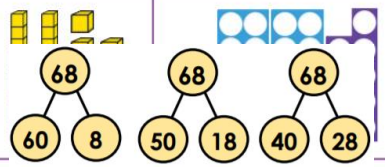
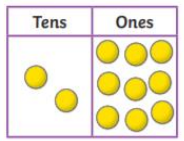
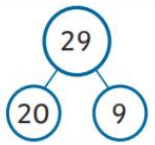
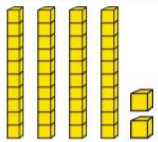
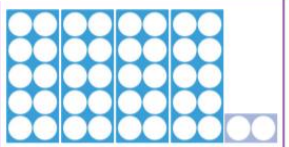
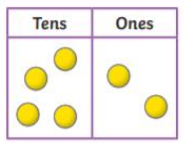
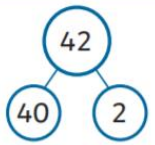
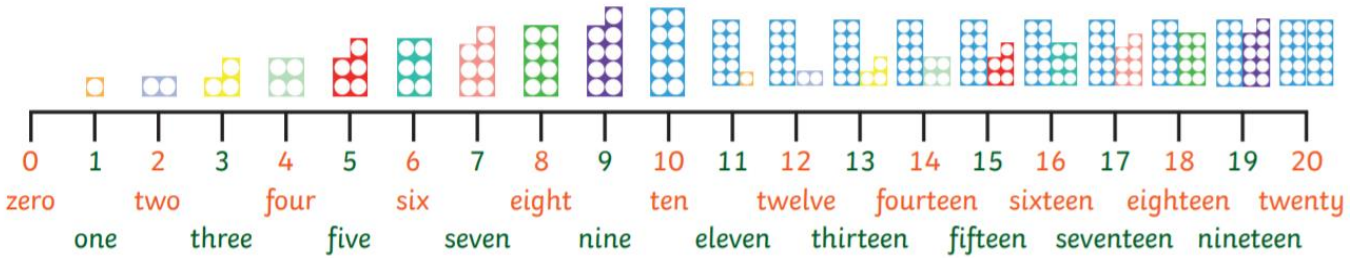
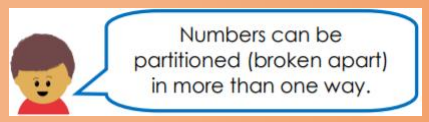
Maths: Summer Y2 Number: Place Value (within 100)

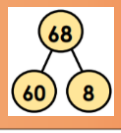
Read, Write and Represent Numbers to 100

14	fourteen	one ten four ones				
29	twenty-nine	two tens nine ones				
42	forty-two	four tens two ones				

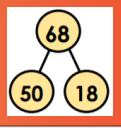


Key Vocabulary		✓
Hundreds	100, or ten more than ninety or 10 groups of 10.	
Tens	A quantity or value of 10.	
Ones	A quantity or value of 1.	
Zero	No quantity, no amount.	
Place Value	The value that a digit has depending on its position.	
Greater than	When one value is bigger than another.	
Less than	When one value is less than another.	
Order	Putting things in the correct place following a rule.	
Partition	A way of splitting numbers into smaller parts to make them easier to work with.	
Digit	Any numbers from 0 to 9.	

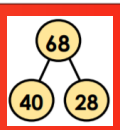




60+8=68



50+18=68



40+28=68

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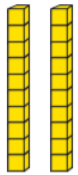
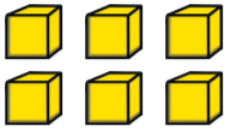
Maths: Summer Y2 Number: Place Value (within 100)

2 Digit Numbers

26

twenty	six
	
20	6

Counting

Counting in 2s

0	2	4	6	8	10	12	14	16	18	20

Counting in 3s

0	3	6	9	12	15	18	21	24	27	30

Counting in 5s

0	5	10	15	20	25	30	35	40	45	50

Counting in 10s

0	10	20	30	40	50	60	70	80	90	100

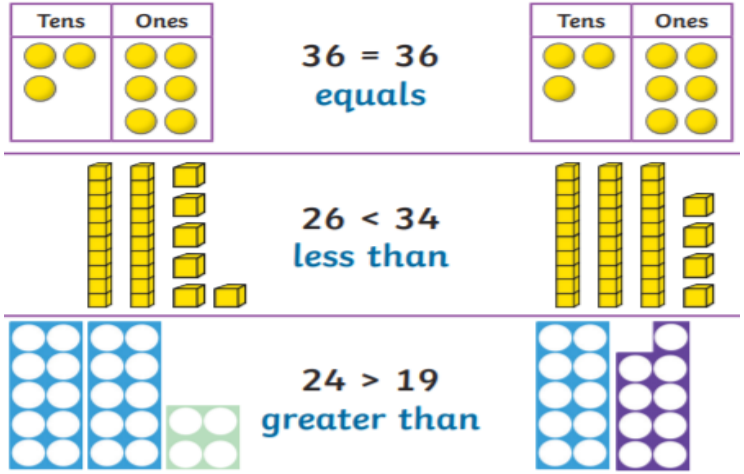
Order Numbers

37 < 39 < 42

45	48	52	53	61

smallest greatest

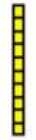
Compare Numbers



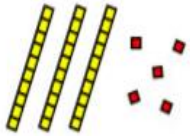
Numbers to 100

A two-digit number is made up of tens and ones.

Base 10 can be used to represent numbers.

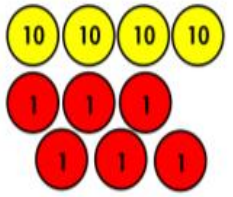
 *represents a ten*

 represents a one



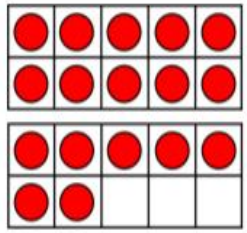
This represents the number 35. It is made up of 3 tens (30) and 5 ones.

Numbers can also be represented with place value counters.



These counters represent the number 46. It is made up of 4 tens (40) and 6 ones.

Numbers can also be shown in a ten frame.



This shows a complete ten and 7 ones. This means that it shows the number 17.

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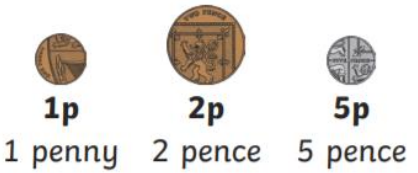
Maths: Summer Y2
Measurement: Money

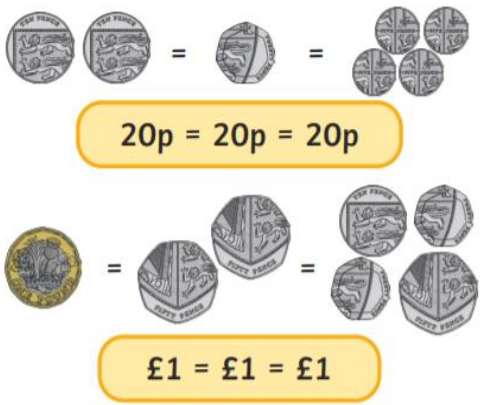
Pounds and Pence

Pence

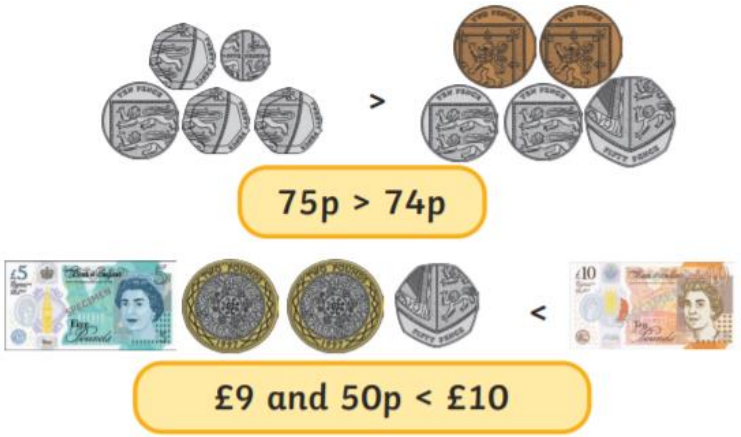


Pounds

Equal Amounts



Compare Amounts



Key Vocabulary		✓
Pence	More than 1 penny.	
Pound	Equal to 100 pence.	
Coin	A flat disc or piece of metal used as money.	
Note	Money that is not metal. It feels like thin plastic that has different values.	
Total	The whole amount.	
Amount	A quantity of something.	
Change	The money returned after paying for something with more money than it costs.	
Price	The cost of an item.	
Cost	The amount of money needed to buy something.	
Pay	To give money to buy something.	
Owe	To pay or repay money for something or to someone.	

£3.00 + £3.50 = £6.50

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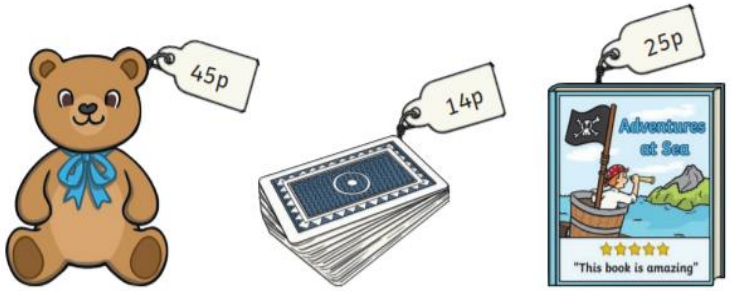
Maths: Summer Y2
Measurement: Money

Find the Total



Lucy bought a teddy bear and some playing cards.

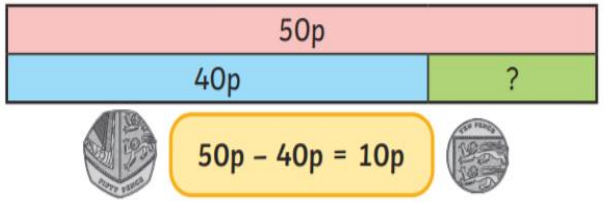
45p	+	14p	=	59p

Timek bought two books.

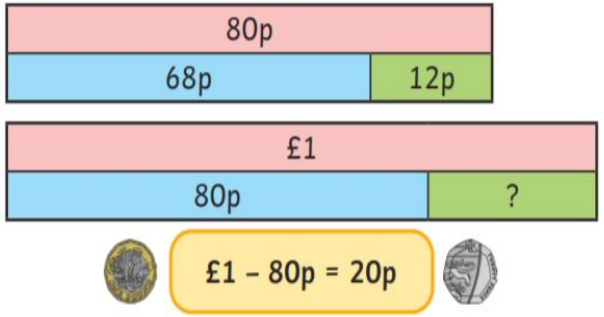
25p	+	25p	=	50p

Find the Change

Lucy bought a jigsaw with a 50p coin. How much change did she get?



Timek bought a plant and a toy car. He paid with a £1 coin. How much change did he get?



Counting Mixed Coins

£1.21 = 121p

£1.17 = 117p

£2.61 = 261p

£2.10 = 210p