

Unit 4: Two-digit numbers

Remember

The numbers between 10 and 99 all have **two digits**.



43 has 4 tens and 3 ones

43 → 40 + 3

Have a go

1 Write the missing numbers.

a $17 \rightarrow 10 + \square$

b $38 \rightarrow \square + 8$

c $\square \rightarrow 20 + 9$

d $53 \rightarrow \square + \square$

e $\square \rightarrow 70 + 2$

f $65 \rightarrow \square + \square$

g $94 \rightarrow \square + 4$

h $\square \rightarrow 80 + 1$

2 Join the matching pairs.

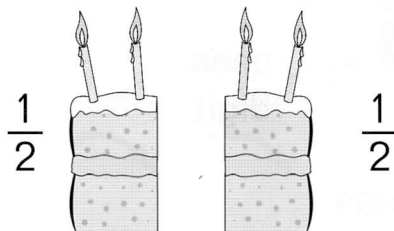
Keys: eighty-seven, sixty-five, thirty-seven, eighty-four, seventy-eight, forty-eight, fifty-six, seventy-three

Ovals: 56, 78, 65, 87, 73, 84, 37, 48

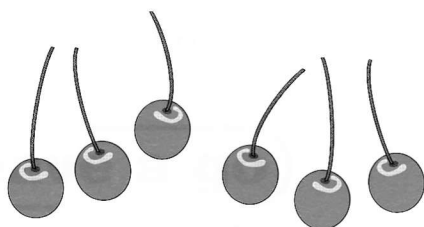
Unit 5: Fractions – halves

Remember

When you cut a cake into **two equal pieces**, each piece is **half** of the whole cake.



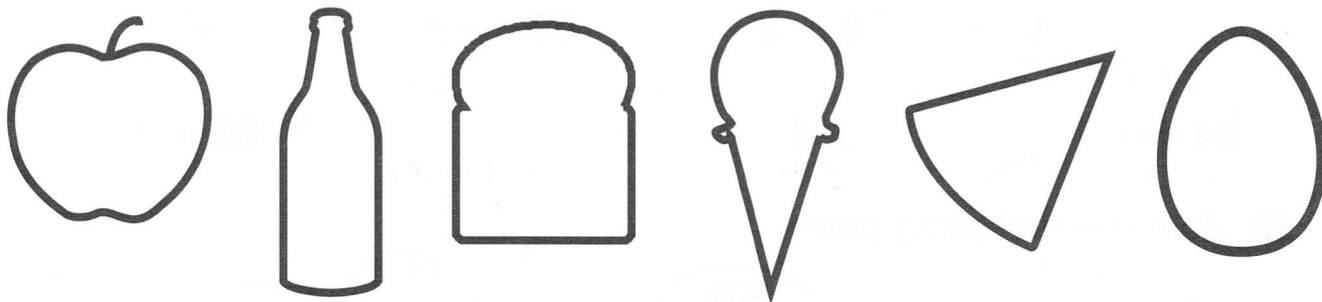
To find $\frac{1}{2}$ (half) of these six cherries, put them into two equal groups.



$$\frac{1}{2} \text{ of } 6 = 3$$

Have a go

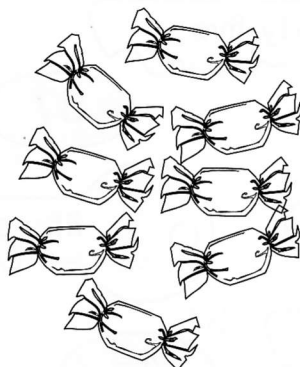
- 1 Colour half of each shape.



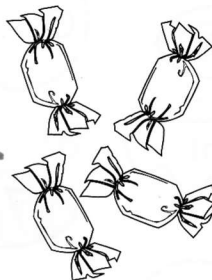
- 2 Colour half of each set of sweets. Write the answer.



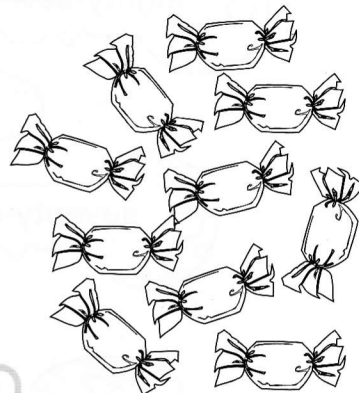
a $\frac{1}{2}$ of 6 =



b $\frac{1}{2}$ of 8 =



c $\frac{1}{2}$ of 4 =



d $\frac{1}{2}$ of 10 =

Unit 7: Addition – doubles

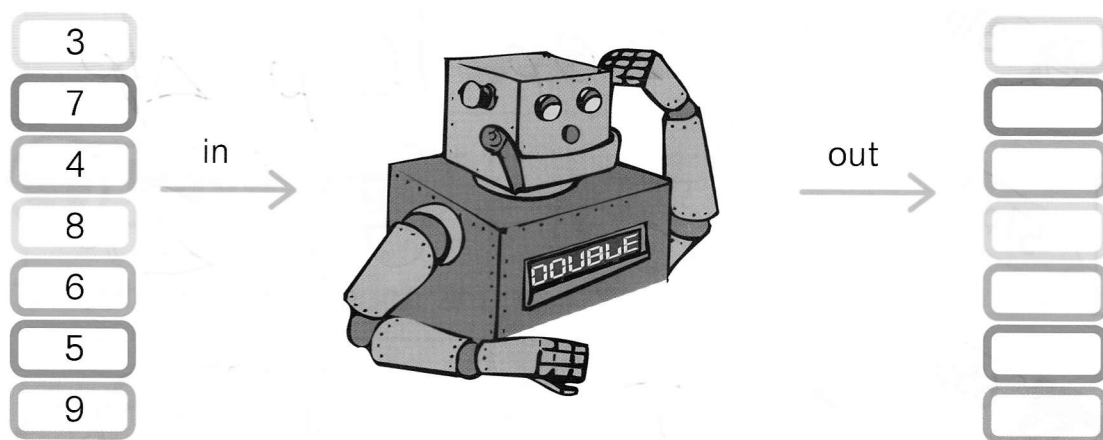
Remember

Learning **doubles** helps you to add.
You can quickly work out the answers with numbers that are **near doubles**.

$$\begin{aligned} 4 + 4 &= 8 \\ 4 + 5 &\text{ is 1 more} \\ 4 + 5 &= 9 \end{aligned}$$

Have a go

1 Write the numbers coming out of this doubling machine.



2 Use doubles to help answer these.

a $4 + 5 =$

b $5 + 6 =$

c $6 + 7 =$

d $8 + 9 =$

e $3 + 4 =$

f $7 + 8 =$

3 Write the missing numbers in these addition squares

a

+	8	4	3
5	13		
4			
7			

b

+	5	3	4
6	11		
5			
4			

c

+	6	7	5
4	10		
8			
6			

Remember

We use the word **total** when we **add** numbers.

The **total** of 7, 4 and 3 is 14.

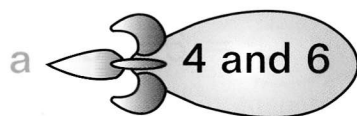
$$7 + 3 + 4 = 14$$

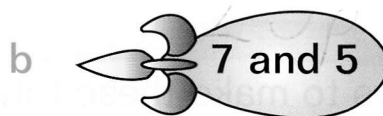
Tip: Add 7 and 3 first because these are easy to total.
Then add together 10 and 4.

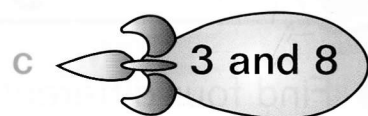


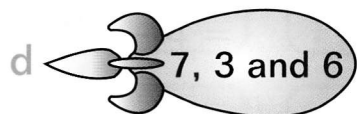
Have a go

1 Write the totals.

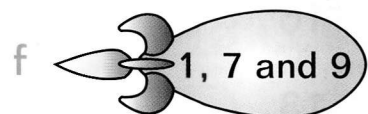




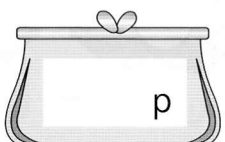
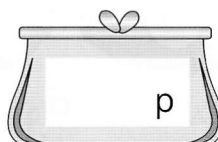
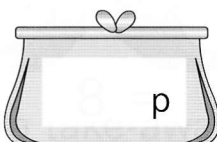
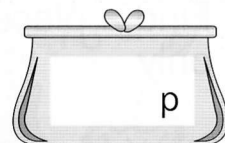
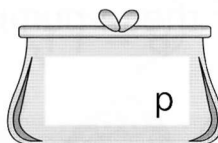
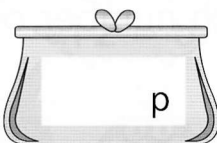








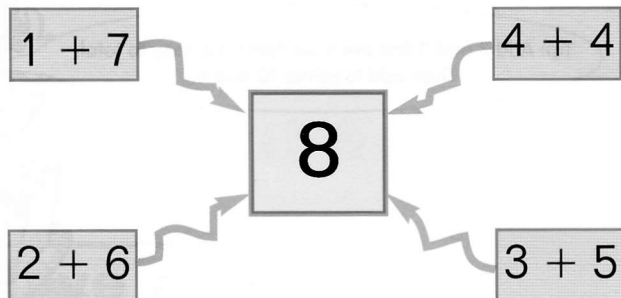
2 Write the totals in each purse.



Unit 9: Addition problems

Remember

There are different ways to make **totals**.



Have a go

1 Find four different ways to make these totals.

a	11	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
b	16	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
c	13	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
d	10	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
e	15	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
f	18	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2 Find a place for each of these numbers. Use each number once only.

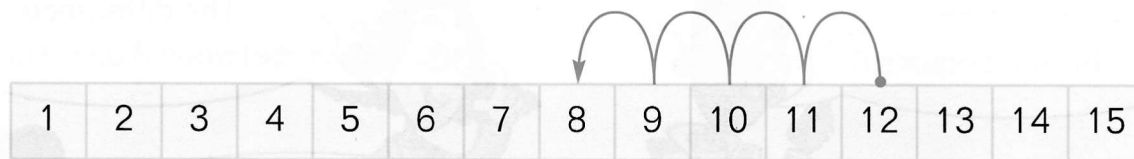
1 2 3 4 5 6 7

a	$5 + \square = 9$	b	$\square + \square = 7$
c	$\square + \square = 9$	d	$\square + \square = 8$

Unit 10: Subtraction

Remember

To take one number away from another, you can count back on a number line.



Start at 12 and count back 4.

$$12 - 4 = 8$$

Have a go

1 Show the jumps and write the answers.

a $13 - 6 =$

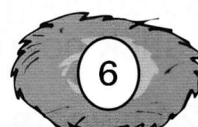
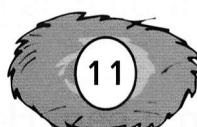
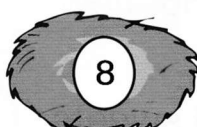
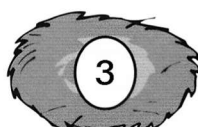
b $15 - 7 =$

c $11 - 4 =$

d $12 - 8 =$

e $12 - 6 =$

2 Join these birds to their nests.



Write a take-away sum for bird f.

Unit 11: Subtraction problems

Remember

These all show $9 - 3 = 6$.

9 subtract 3 equals 6.



9 take away 3 is 6.



The difference between 3 and 9 is 6.



3 less than 9 is 6.



Have a go

1 Answer these.

a What is 17 take away 9?

b Subtract 8 from 15.

c What is 6 less than 14?

d What is the difference between 11 and 16?

e What is 19 take away 12?

f Subtract 13 from 20.

2 Answer these.

a Sam has 20 stickers. He gives away 6 and keeps the rest. How many does he have left?

b A bus has 18 passengers. 5 get off at the bus stop. How many are left on the bus?

c A stick is 30 cm long. If 5 cm is cut off the end, how long is the stick now?

d There are 24 sweets in a bag. Hannah eats 3 sweets and David eats 4. How many sweets are left?

Unit 12: Addition and subtraction

Remember

Addition and subtraction are **opposite** to each other.

$$4 + 6 = 10$$

addition

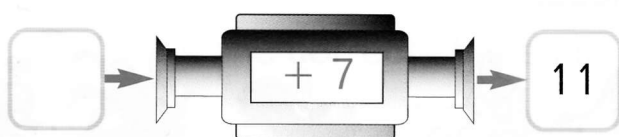
$$10 - 6 = 4$$

subtraction

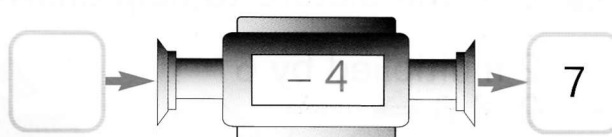
Have a go

1 Write the missing numbers going into each machine.

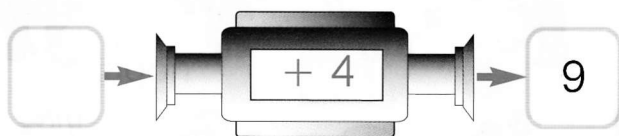
a



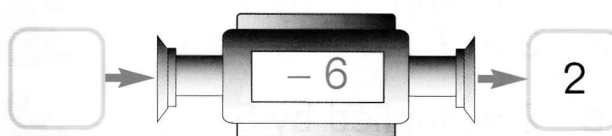
b



c



d



2 Choose some numbers to go through each machine. Write what comes out.

a



b

c

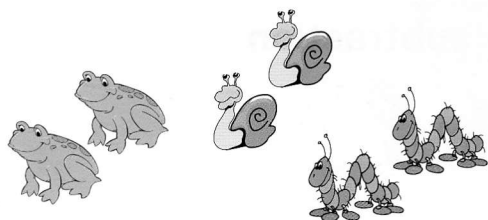


d

Unit 13: Multiplying by 2

Remember

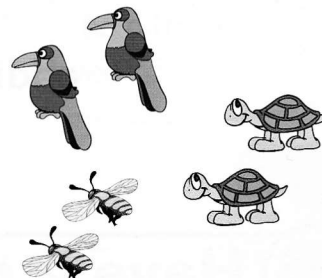
The **two times table** can be shown by grouping in 2s.
The multiplication sign is **x**.



$$2 + 2 + 2 = 6$$

$$2 \times 3 = 6$$

$$2 \text{ multiplied by } 3 = 6$$

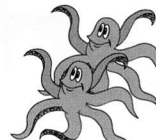


Have a go

1 Use the picture to help answer these.

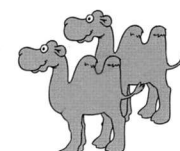
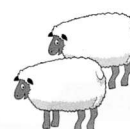
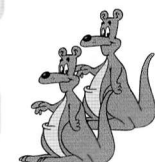
a 2 multiplied by 6 =

$$2 \times 6 = \text{$$



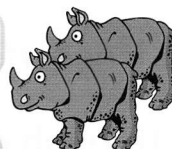
b 2 multiplied by 4 =

$$2 \times 4 = \text{$$



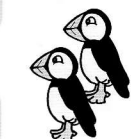
c 2 multiplied by 7 =

$$2 \times 7 = \text{$$



d 2 multiplied by 5 =

$$2 \times 5 = \text{$$



e 2 multiplied by 9 =

$$2 \times 9 = \text{$$

f 2 multiplied by 8 =

$$2 \times 8 = \text{$$

2 Use a timer. Answer these as quickly as you can.

a $2 \times 3 =$

$$2 \times 7 = \text{$$

$$2 \times 8 = \text{$$

$$2 \times 2 = \text{$$

$$2 \times 6 = \text{$$

b $2 \times 4 =$

$$2 \times 5 = \text{$$

$$2 \times 1 = \text{$$

$$2 \times 10 = \text{$$

$$2 \times 9 = \text{$$



Try it again. Can you beat your best time?

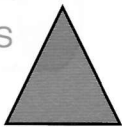
Unit 14: 2D shapes

Remember

A **2D shape** is a flat shape.

Look at the **number of sides** to help you recognise different shapes.

triangle
3 sides



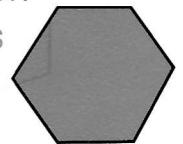
quadrilateral
4 sides



pentagon
5 sides



hexagon
6 sides

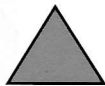


A **square** and a **rectangle** are special quadrilaterals.

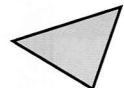
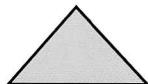
Have a go

1 Circle the correct shapes in each row.

Square



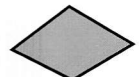
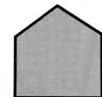
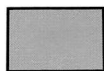
Triangle



Hexagon



Pentagon

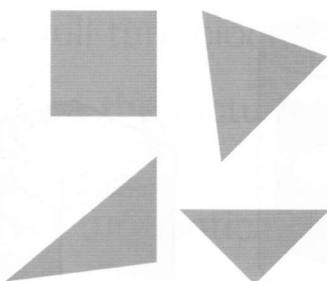


Rectangle

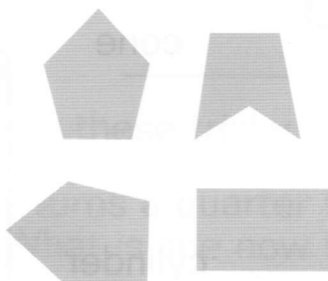


2

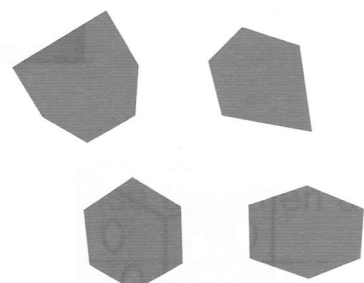
a All _____
have 3 sides.



b All _____
have 5 sides.



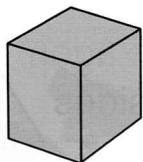
c All _____
have 6 sides.



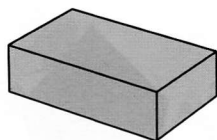
d Tick the odd one out in each set.

Remember

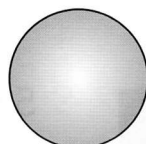
These are 3D solids. Learn the names of these solids.



cube



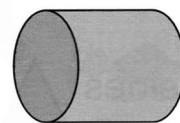
cuboid



sphere



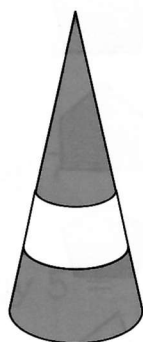
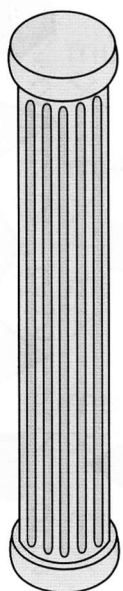
cone



cylinder

Have a go

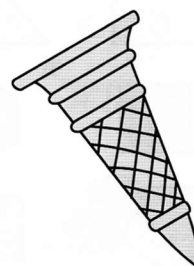
Join each solid to its name.



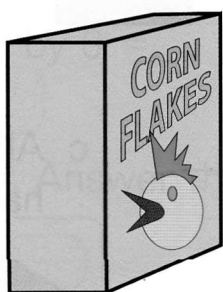
cube



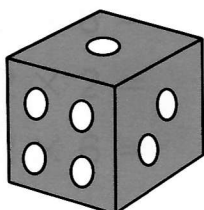
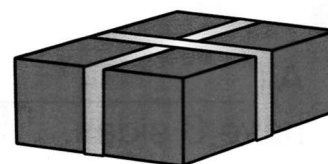
cuboid



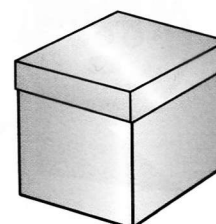
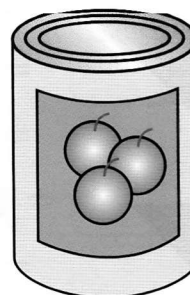
sphere



cone



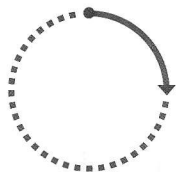
cylinder



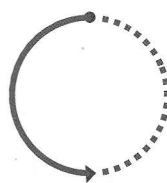
Unit 16: Movement and turning

Remember

We use the words **clockwise** and **anticlockwise** to describe circular movements.



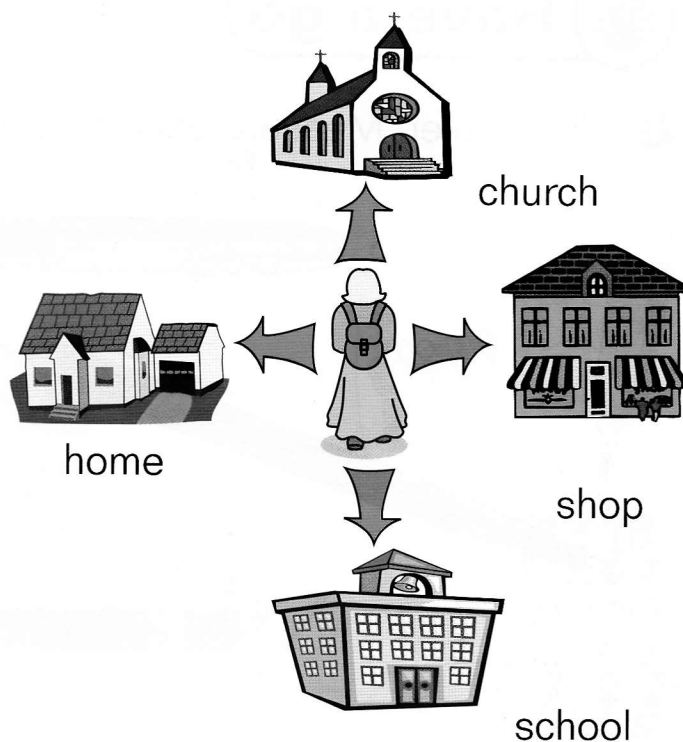
A quarter turn clockwise



A half turn anticlockwise

Have a go

- 1 Jo is facing the church.
What is she facing when
she makes these turns?
She starts by facing the
church each time.



- a A quarter turn anticlockwise _____
- b A half turn clockwise _____
- c A quarter turn clockwise _____
- d A half turn anticlockwise _____
- e A full turn clockwise _____

- 2 Use the picture to answer these tricky questions.

- a Jo faces the school. She turns a quarter turn clockwise and then a half turn anticlockwise. What is she now facing? _____
- b Jo faces the shop. She turns a half turn clockwise and then a quarter turn clockwise. What is she now facing? _____

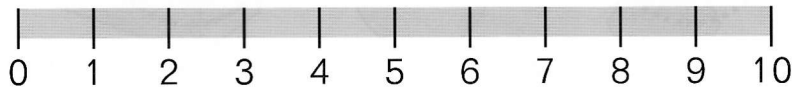
Unit 17: Measuring length

Remember

We measure lengths using **centimetres** and **metres**.

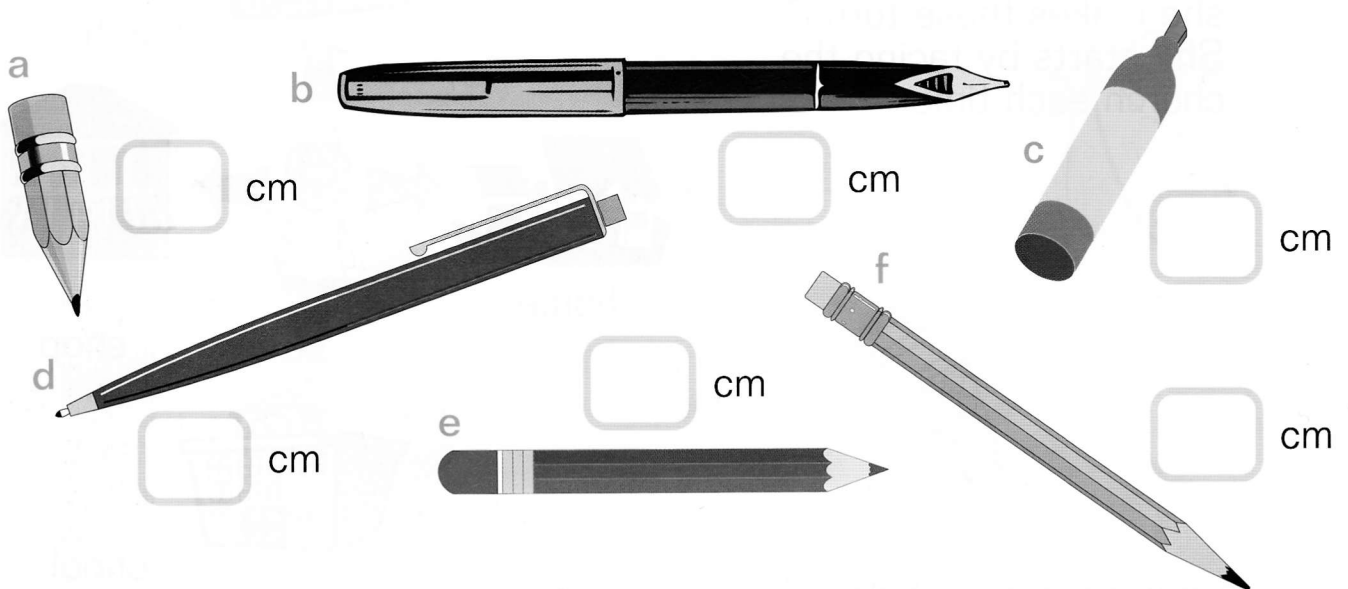
There are 100 centimetres in 1 metre.

This line shows 10 centimetres.



Have a go

- 1 Use a ruler. Measure each of these in centimetres.



- 2 Draw two straight lines across the page. Make them these exact lengths:

5 cm →

10 cm →

Remember – use a sharp pencil!

- 3 Use these lines to find things around you that are:

- about 5 cm long
- about 10 cm long

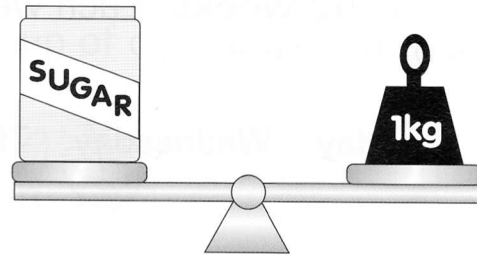
Can you find things that are about 1 metre long?

Unit 18: Measuring weight

Remember

We find out how heavy something is by finding its **weight** or **mass**. We use **kilograms** (kg) and **grams** (g).

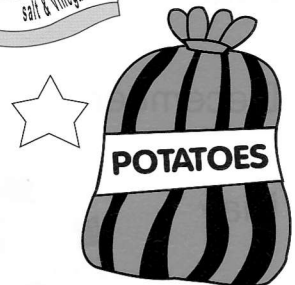
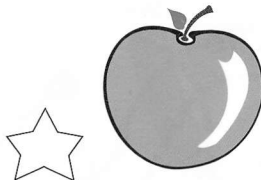
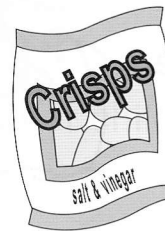
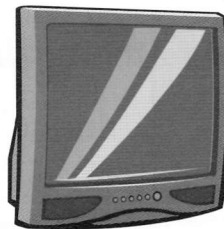
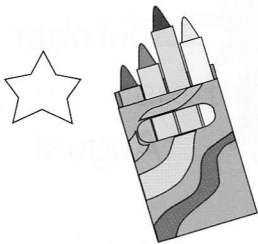
$$1000 \text{ g} = 1 \text{ kg}$$



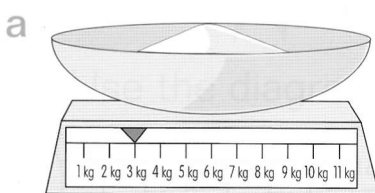
Find something that weighs about 1 kg and check it on some scales.

Have a go

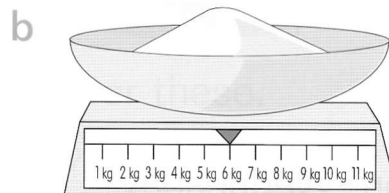
1 Colour the stars correctly.



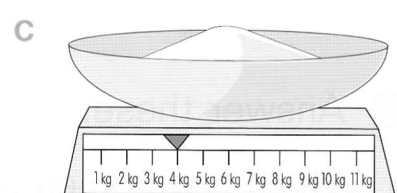
2 Write the weights shown in kilograms.



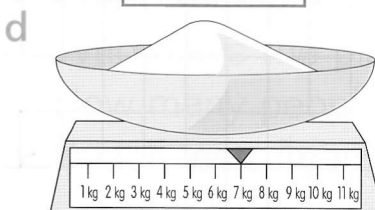
kg



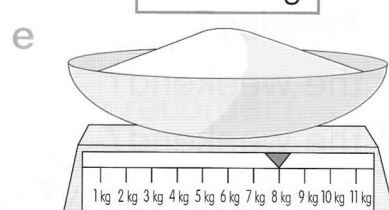
kg



kg



kg



kg

Unit 19: Time

Remember

A **year** is split into **12 months**. Which month were you born in?

A year also has **52 weeks**. Each week has **7 days**. Learn the order of the days of the week:

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Have a go

- 1 Write the names of the months in the correct place for each season. Tick them off the list as you write each one.

April

November

June

December

May

March

September

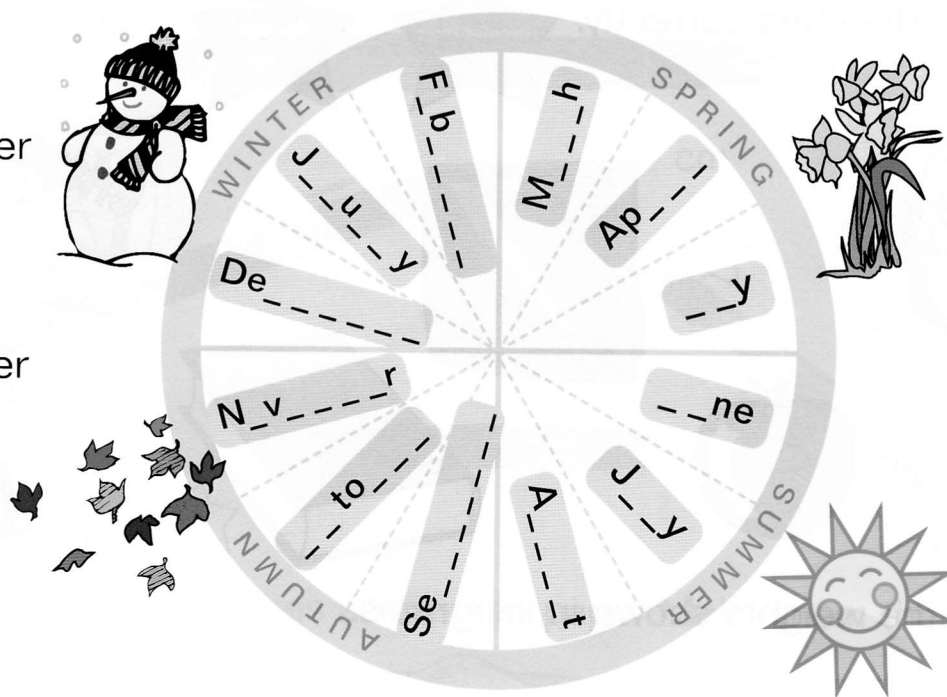
October

August

July

February

January



- 2 Answer these:

- a Which day comes before Wednesday? →
- b Which day comes before Friday? →
- c Which day comes after Tuesday? →
- d Which day comes after the weekend? →
- e What is the first day of the weekend? →
- f Which day is two days after Wednesday? →

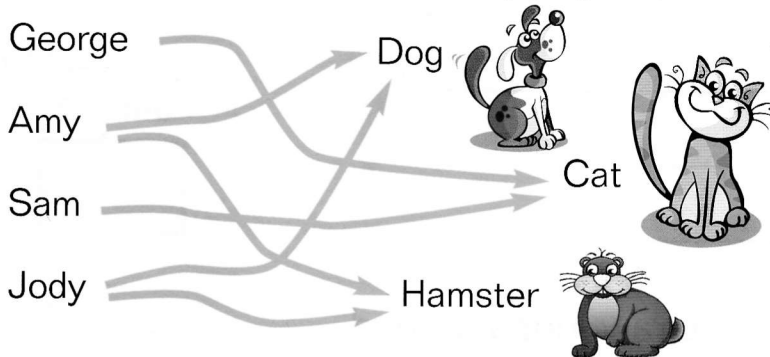
What is the hidden day in the yellow squares? _____

Unit 20: Data – mappings

Remember

Mappings are a good way to show information. They use arrows like this:

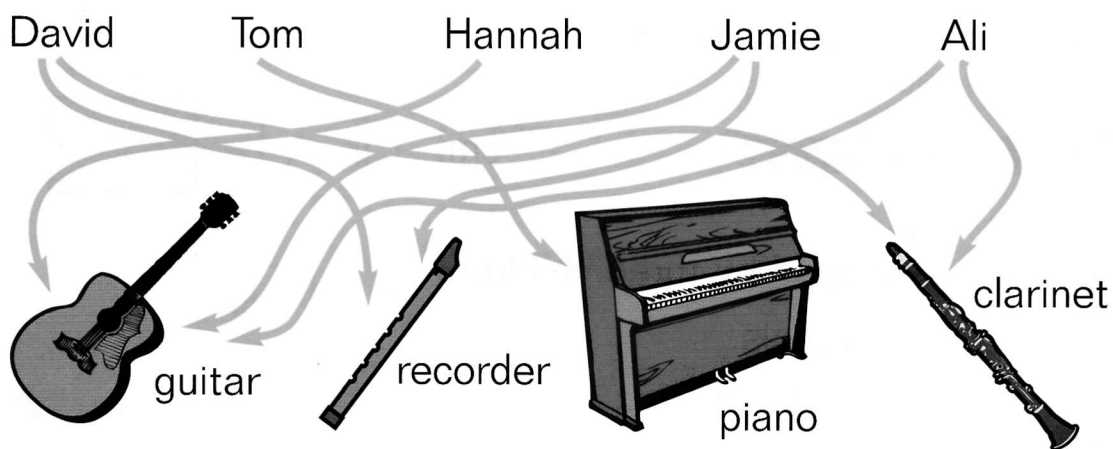
These are the pets owned by a group of children.



Follow the arrows and you can see that George has a cat, while Amy has a dog and a hamster. Which pets do Sam and Jody have?

Have a go

These are the musical instruments played by a group of children.



1 Use the diagram to answer these.

- What does Hannah play? _____
- Who plays the clarinet? _____
- What does Jamie play? _____
- Who plays the piano? _____
- How many people play the recorder? _____
- Which instrument is played by the most children? _____

2 Kate plays the recorder and clarinet. Add her name with arrows to the diagram.

Test 1

Check how much you have learned.

Answer the questions.
Mark your answers. Fill in your score.

SCORE

1 Write these as words:

a 16 → _____

b 19 → _____

c 13 → _____

out of 3

2 Count these stars in twos. Draw loops around each pair.



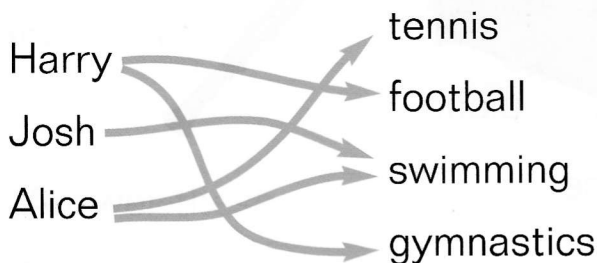
out of 1

3 Use a ruler. How long is this snake?


 cm

out of 1

4 These are sports played by three children.



out of 1

Who plays tennis? _____

5 Write the missing numbers.

a $4 + \square = 8$ b $\square + 7 = 13$ c $5 + 6 = \square$

out of 3

6 Answer these.

a $\frac{1}{2}$ of 8 = _____

b $\frac{1}{2}$ of 10 = _____

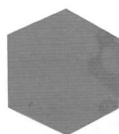
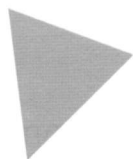
7 Join the names to the correct shapes.

triangle

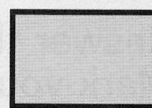
hexagon

pentagon

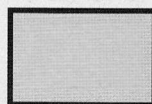
quadrilateral



out of 2



out of 4



8 Join up the months in order.

January

March

June

October

December

February

April

May

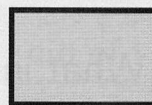
August

September

July

November

out of 1



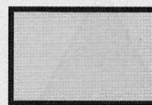
9 Answer these.

a $14 - 5 =$

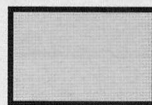
b $11 - 4 =$

c $16 - 8 =$

out of 3

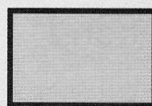


out of 1



10 What is the total of 4, 5 and 6? _____

Total out of 20



Test 2

Check how much you have learned.

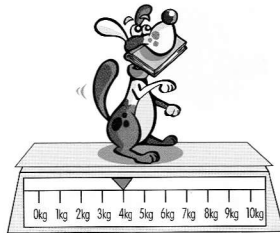
Answer the questions.

Mark your answers. Fill in your score.

- 1 Write the missing numbers in this sequence.

1 4 7 13 16

- 2 What is the weight of this puppy?



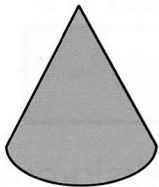
kg

- 3 Make a total of 14 in three different ways.

+ +
 +

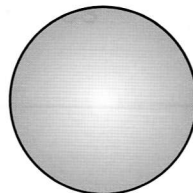
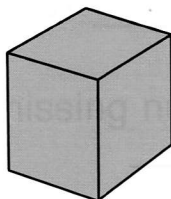
- 4 What is the difference between 13 and 8?

- 5 Join the names to the correct shapes.



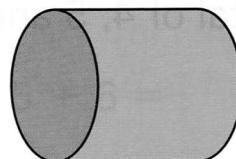
cuboid

cylinder



cone

sphere



SCORE

out of 2

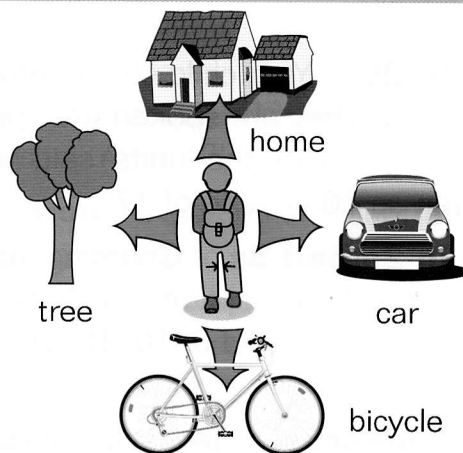
out of 1

out of 3

out of 1

out of 4

- 6 Sam makes a quarter turn anticlockwise.



What is he now facing? _____

out of 1

- 7 Write the missing numbers.

a $60 + 7 \rightarrow$

b $73 \rightarrow$ +

out of 2

- 8 Answer these.

a $7 \times 2 =$

b $9 \times 2 =$

c $4 \times 2 =$

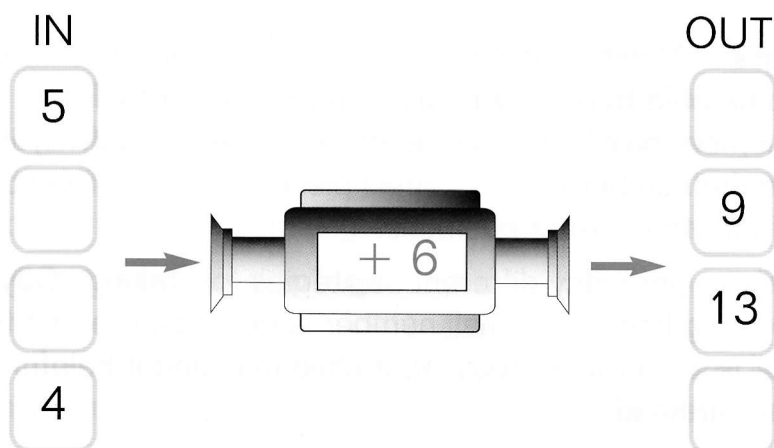
out of 3

- 9 Write the total. p



out of 1

- 10 Write the missing numbers.



out of 4

Total out of 22