

HeadStart

primary

Year 2

Learning Activity Booklet

For Maths & English



Name:

Class:

SECTION A

1 $2 + 8 = \square$

2 $10 - 5 = \square$

3 $7 + 1 = \square$

4 $6 - 4 = \square$

SECTION B

1 $10 - 2 = \square$

2 $7 - \square = 2$

3 $8 = 5 + \square$

4 $\square + 2 = 6$

SECTION C

1 $\square = 5 + 2 + 2$

2 $3 + 2 + 3 = \square$

3 $1 + \square + 2 = 4$

4 $3 + 6 + \square = 10$

SECTION A

1 $70 - 30 = \square$

2 $20 + 60 = \square$

3 $100 - 40 = \square$

4 $0 + 70 = \square$

SECTION B

1 $\square = 90 - 90$

2 $60 + \square = 100$

3 $20 + \square = 50$

4 $\square - 10 = 30$

SECTION C

1 $60 + 10 + 20 = \square$

2 $40 + 10 + \square = 70$

3 $22 + 8 + 17 = \square$

4 $15 + \square + 25 = 70$

SECTION A

1 $1 + 3 =$

2 $4 + 6 =$

3 $21 + 5 =$

4 $7 + 42 =$

SECTION B

1 $24 + 7 =$

2 $8 + 58 =$

3 $= 76 + 6$

4 $35 + 9 =$

SECTION C

1 $= 98 + 3$

2 $32 + 7 + 3 =$

3 $6 + 5 + 12 =$

4 $91 + 4 + 8 =$

SECTION A

1 $14 + 43$

2 $41 + 36$

3 $43 + 44$

SECTION B

1 $42 + 19$

2 $38 + 81$

3 $62 + 53$

SECTION C

1 $77 + 94$

2 $62 + 79$

3 $86 + 35$

SECTION A

1 $86 - 24$

2 $99 - 74$

3 $46 - 21$

SECTION B

1 $62 - 33$

2 $74 - 57$

3 $84 - 69$

SECTION C

1 $84 - 17$

2 $81 - 26$

3 $91 - 16$

SECTION A

1 $5 + \square = 9$

2 $\square - 3 = 5$

3 $\square - 2 = 43$

4 $\square + 10 = 56$

SECTION B

1 $\square - 8 = 23$

2 $32 = 28 + \square$

3 $56 + \square = 83$

4 $\square - 34 = 82$

SECTION C

1 $88 = 24 + \square$

2 $523 - \square = 518$

3 $\square + 35 = 92$

4 $94 = \square - 37$

SECTION A

1 $10 \times 2 = \square$

2 $22 \div 2 = \square$

3 $\square = 14 \div 2$

4 $\square = 2 \times 3$

SECTION B

1 $24 \div \square = 2$

2 $\square \div 8 = 2$

3 $2 \times \square = 18$

4 $12 = \square \times 2$

SECTION C

1 $\square = 2 \times 15$

2 $36 \div 2 = \square$

3 $74 \times 2 = \square$

4 $2 \times 1 \times 2 = \square$

SECTION A

1 = 2×1

2 $18 \div 2 =$

3 $2 \times 5 =$

4 = $6 \div 2$

SECTION B

1 $11 =$ $\div 2$

2 $2 \times$ = 16

3 $\times 2 = 14$

4 $\div 6 = 2$

SECTION C

1 = 33×2

2 = $88 \div 2$

3 $\div 2 = 62$

4 $2 \times 2 \times 2 =$

SECTION A

1 $6 \div 2 = \square$

2 $4 \times 2 = \square$

3 $10 \times 5 = \square$

4 $10 \div 5 = \square$

SECTION B

1 $\square \div 5 = 4$

2 $8 \times \square = 16$

3 $10 \times \square = 80$

4 $9 = \square \div 2$

SECTION C

1 $950 \div 10 = \square$

2 $19 \times 2 = \square$

3 $5 \times 12 \times 2 = \square$

4 $\square = 12 \times 2 \times 10$

SECTION A

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

2 $\frac{2}{4}$ of 20 =

SECTION B

1 $\frac{1}{4}$ of 8 =

2 $\frac{1}{2}$ of 28 =

3 $\frac{1}{3}$ of 36 =

4 $\frac{1}{2}$ of 42 =

SECTION C

1 $\frac{1}{5}$ of 20 =

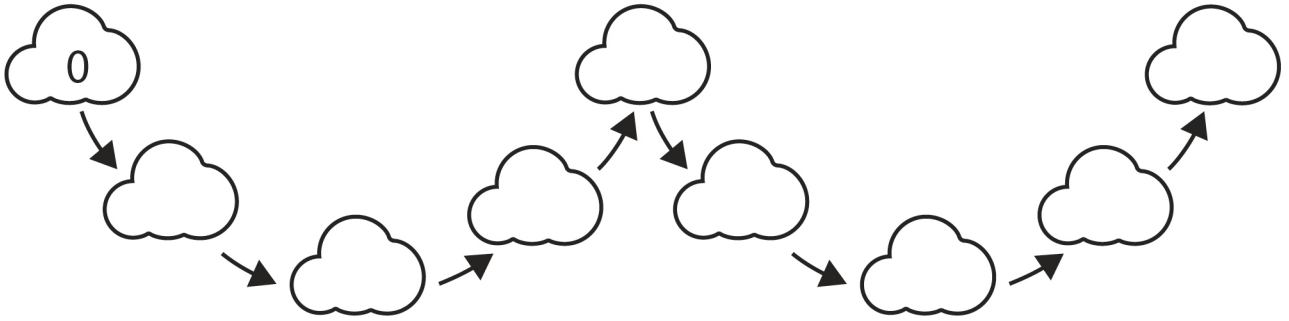
2 $\frac{1}{10}$ of 30 =

3 $\frac{3}{4}$ of 8 =

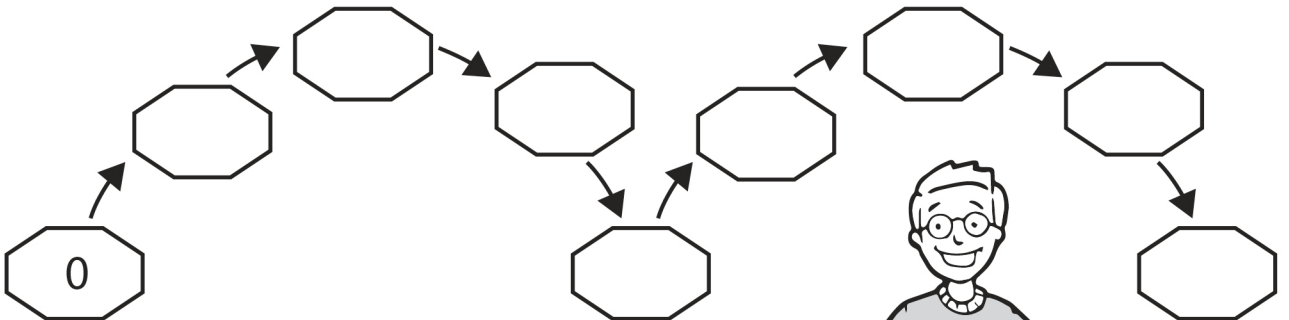
4 $\frac{2}{5}$ of 20 =

Count in steps of 2, 3 and 5 from zero, forward and backward

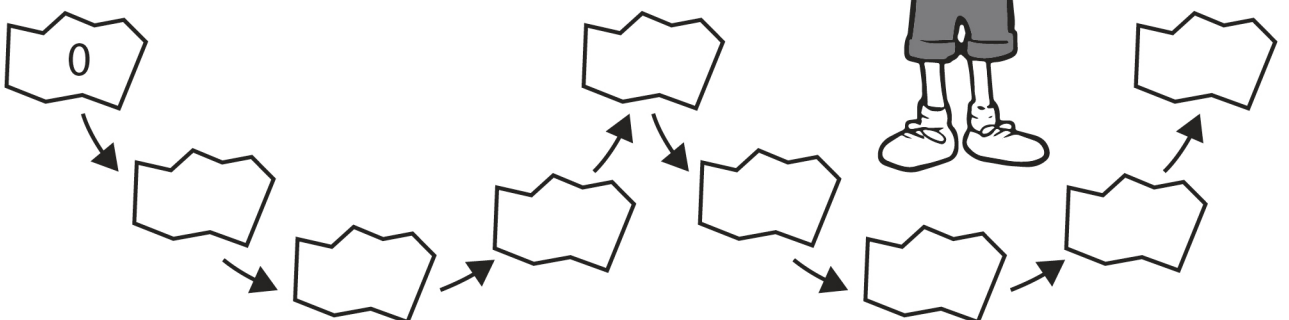
1 Count in **twos**. Write a number in each shape.



2 Now count in **3s**.



3 Count in **5s**.



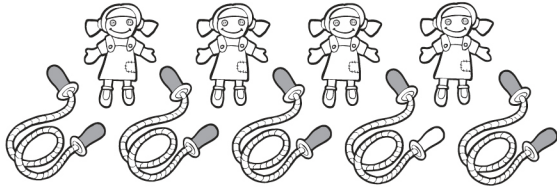
4 Complete the sequences, by filling in the missing numbers.

- a
- b
- c

Solve problems with addition using pictorial representations, including those involving numbers, quantities and measures

1 How many toys are there? Write the calculation to find the answer.

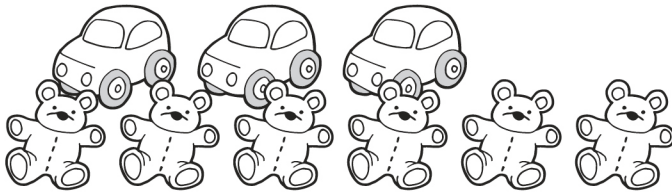
EXAMPLE:



$$4 + 5 = 9$$

.....

a



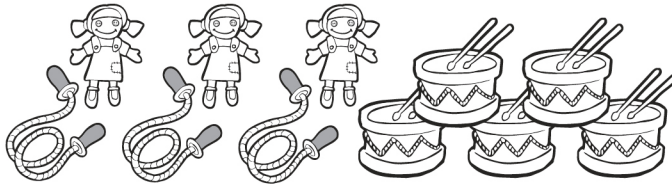
.....

b



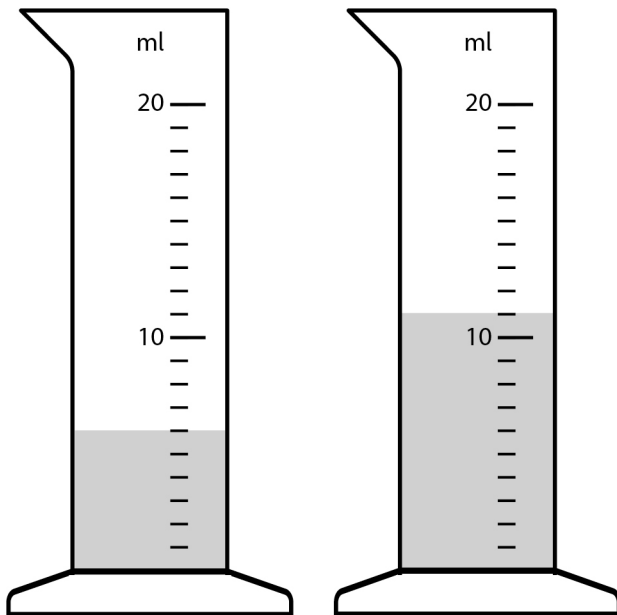
.....

c



.....

2



container A

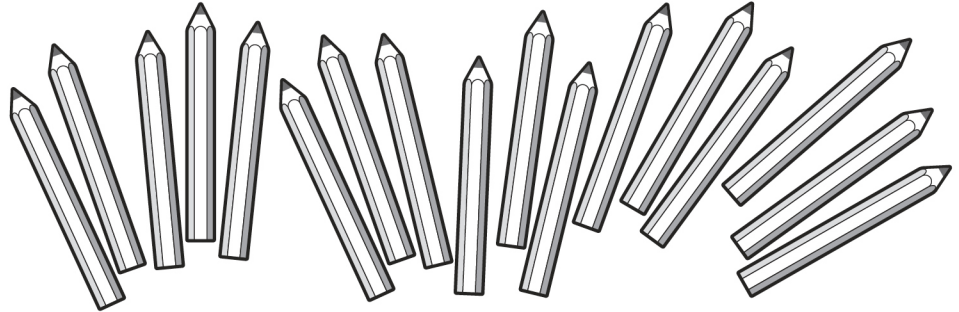
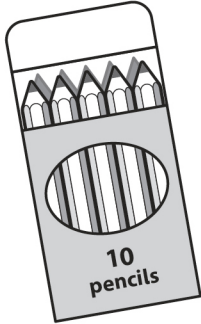
container B

How much water is in container **A** and **B** altogether?

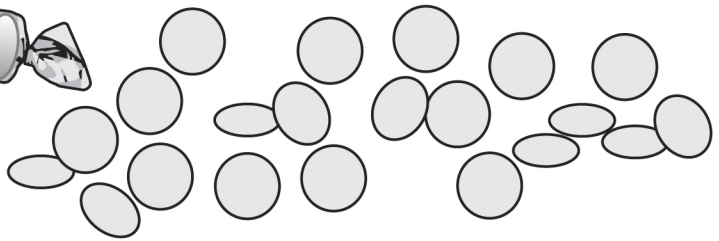
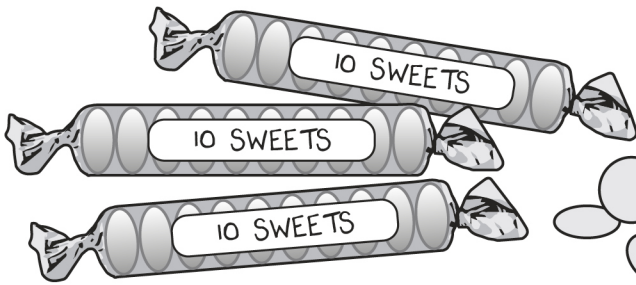
ml

Add a two-digit number and tens

1 How many pencils are there altogether? + =



2 How many sweets are there in total? + =



3 Solve the following.

a $23 + 30 =$

d $28 + 50 =$

b $40 + 52 =$

e $74 + 20 =$

c $60 + 38 =$

f $70 + 26 =$

4 Try these harder ones.

a $80 + 34 =$

c $60 + 83 =$

b $72 + 40 =$

d $50 + 96 =$

Recognise and name fractions

1 Match up the fractions. One is done for you.

$\frac{1}{3}$

three quarters

$\frac{1}{4}$

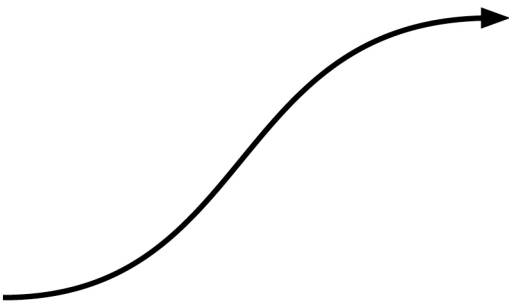
one half

$\frac{3}{4}$

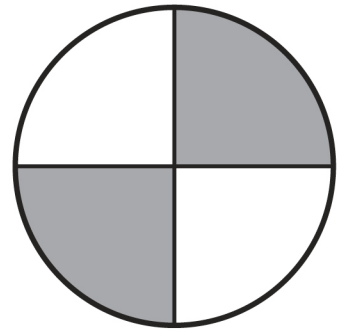
one quarter

$\frac{1}{2}$

one third



2 Now match the following. An example is shown.



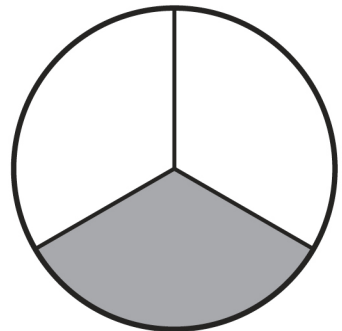
$\frac{2}{4}$

$\frac{1}{3}$

$\frac{1}{2}$

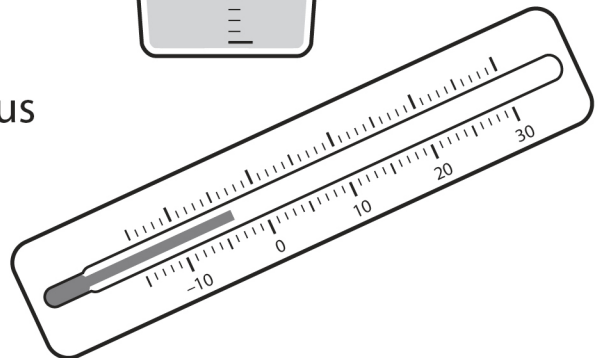
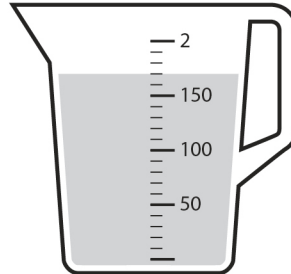
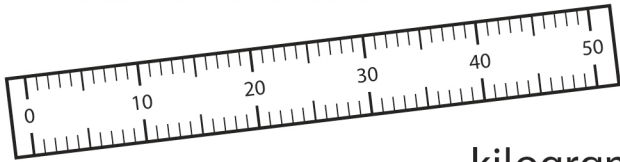
$\frac{1}{4}$

$\frac{3}{4}$



Choose appropriate standard units to measure length/height, mass, temperature and capacity

1 Draw arrows to match the units of measurement to the correct measurement scale.



kilograms
litres
degrees Celcius
centimetres

2 Put the correct measurements in each of the following. Choose from **cm** (centimetres), **m** (metres), **g** (grams), **kg** (kilograms), **ml** (millilitres), **l** (litres) or **°C** (degrees Celcius)

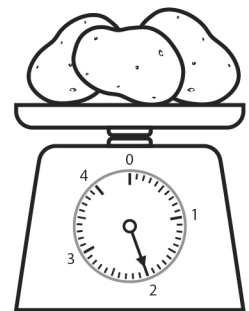
a The temperature was **21** .



b The boy is **1** tall.



c There are **400** of water in the glass.



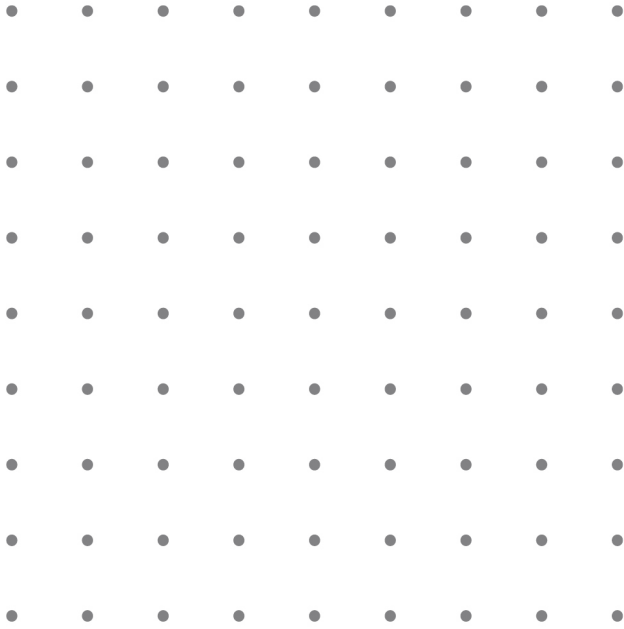
d **2** of potatoes are on the scale.



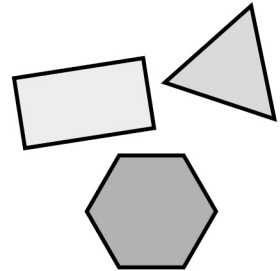
e The book has a length of **28** .

Draw lines and shapes using a straight edge

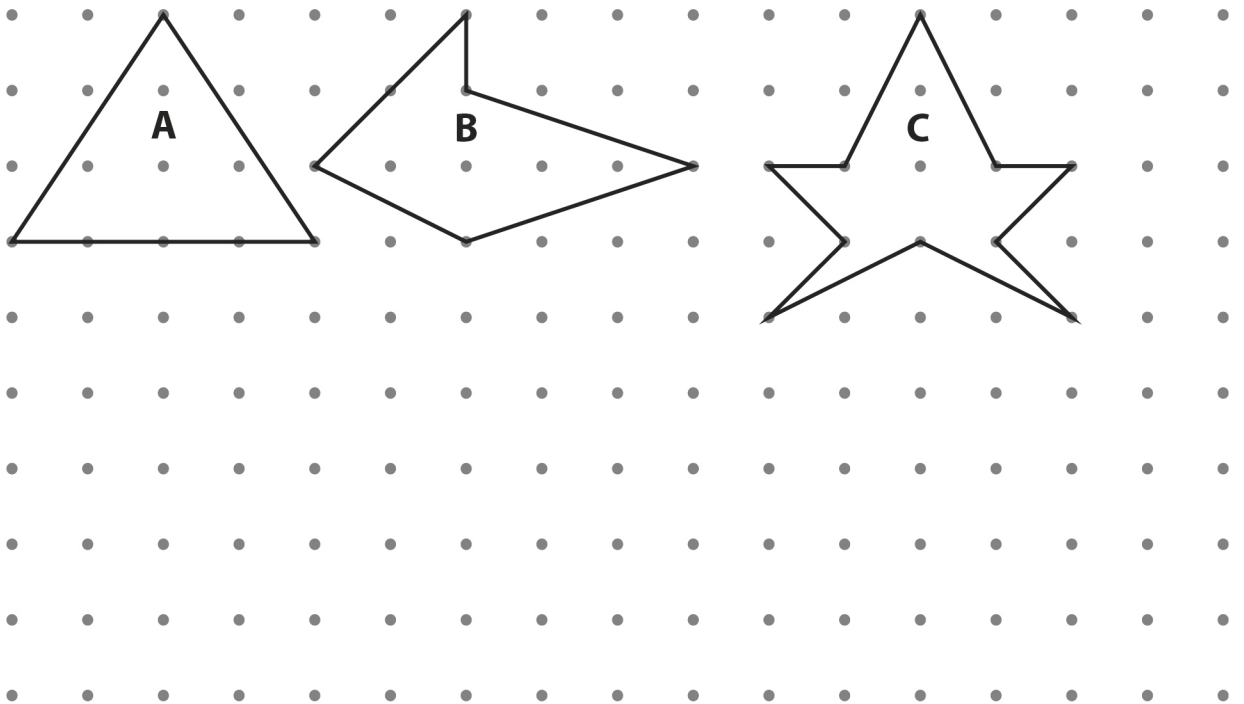
1 Using a ruler, draw the following shapes on the grid.



- a rectangle
- b triangle
- c hexagon



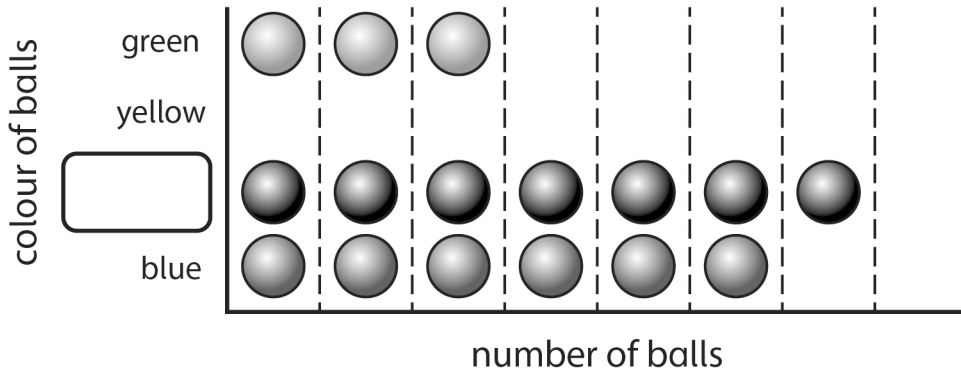
2



- a Draw a line of symmetry in the triangle.
- b Draw a line of symmetry on shape **C**.
- c Shape **B** is a pentagon. Use the dots to draw **2** different pentagons.

Construct simple pictograms, tally charts, block diagrams and tables

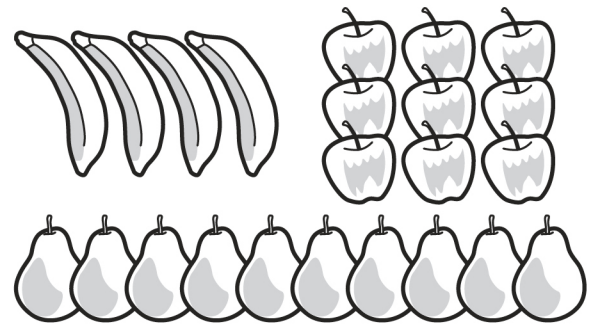
1 The pictogram shows the colour of the balls in the basket. There are some blue, red, yellow and green balls.



- a Fill in the missing box showing the colour of the balls.
- b There were **5** yellow balls. Add this information to the pictogram.

2 Count the different fruit and complete the tally chart.

Fruit	Tally
apple	
banana	
pear	



3 Now, on a separate piece of paper, construct your own pictogram and tally chart to show the information below.

Colour of cars arriving on the carpark from 2pm to 3pm			
red	black	silver	white
5	4	3	2

Further mastery – number and place value

1 Choose the smallest number and write it in words.

EXAMPLE: 82 36 → *thirty-six*

a 58 92 →

b 76 4 →

c 107 84 →

d 103 130 →



2 For the following, write how many groups of 10 and how many ones there are.


EXAMPLE: 37 → 3 groups of ten and 7 ones

a 94 → groups of ten and ones.

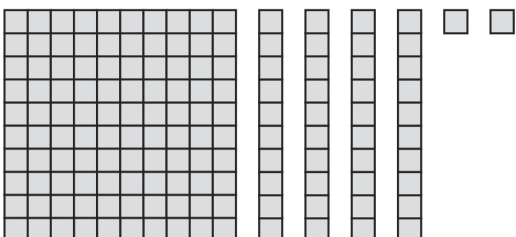
b 87 → groups of ten and ones.

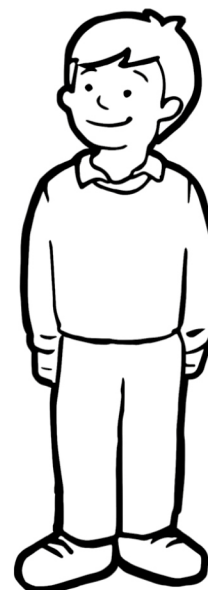


3 What numbers are represented by the pictures?

a 

b 

c 



4 Write $>$, $<$ or $=$ to make each number sentence correct.

a $3 + 6$ $4 + 4$

d $20 - 4$ $8 + 8$

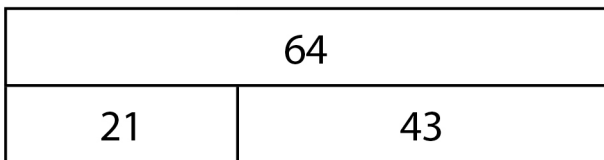
b $8 + 7$ $6 + 6$

e $27 - 12$ $8 + 9$

c $20 + 3$ $16 + 9$

f $34 - 14$ $3 + 6 + 8$

5 Write the number sentences to match the bar model.



+ =

+ =

- =

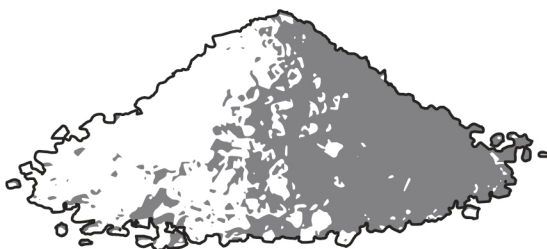
- =

6 Dom has **120 g** of flour.

a He uses **80 g**. How much does he have left? g

b He used **15** more **grams** of sugar than flour.

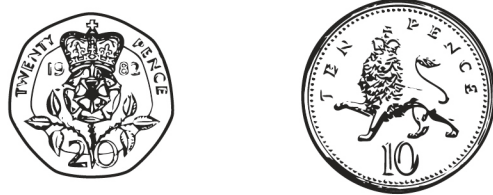
How much sugar did he use? g



Further mastery – measurement

1 Sophie has **3** coins, which total **60p**. Write **2** different combinations of coins she could have.

2 Naeem had **50p**. He bought a lollipop and got this change.



How much was the lollipop? p

3

hat shorts tie t-shirt

a Max bought **2** items, which cost **£9** altogether.

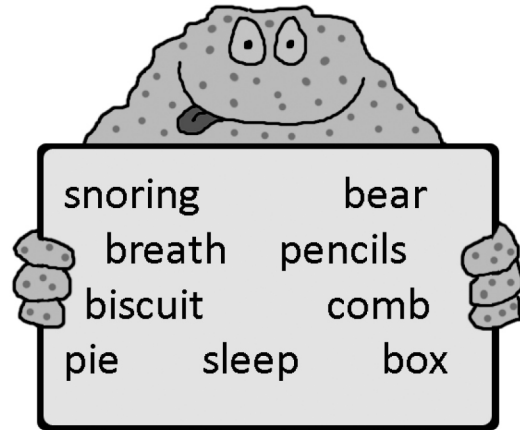
Which items did Max buy? and

b Mrs Smith bought one of each item.

How much change did she get from **£20**? £

THE GREEN BLOBBY MONSTER

Here is a story with missing words. All of the words are being held up by the Green Blobby Monster. See if you can put the right words in the right places.

**The Green Blobby Monster**

Zuzu has lost something. It isn't her favourite, snuggly blanket. It isn't her cuddly teddy _____. And it isn't the _____ she uses to do her squiggly hair. She's lost her Green Blobby Monster.

It's time for bed. But Zuzu can't _____. She won't be happy until she's found her Green Blobby Monster.

She looks inside her toy _____. He's not hiding among the cuddly elephants and giraffes.

Zuzu peers under the sofa. There's nothing there but a tiny wind-up robot, a chocolate _____, a book full of blobby things to colour in and some colouring _____.

She opens the fridge and peers inside. There's orange juice and a cheese sandwich, but no Green Blobby Monster. The apple _____ has been eaten.

She runs all over the house until she's out of _____. Now it's bed time. She looks under her bed. There is the Green Blobby Monster, fast asleep and making a _____ noise.

It goes: "Zu...zu...zu...zu...zu..."

A FABLE: THE MAN, THE BOY AND THE DONKEY

Read this fable (a story containing a lesson), then answer the questions.

The Man, the Boy, and the Donkey

A man and his son were taking their donkey to market. As they walked along by its side, a countryman passed and said, "You fools, what is a donkey for but to ride upon?" So the man put the boy on the donkey, and they went on their way.

Soon, they passed a group of men. One said, "See that lazy boy. He lets his father walk while he rides."



The man took his son off and climbed on himself. They hadn't gone far when they passed two women. One said to the other, "Shame on that lazy lout to let his poor son trudge along."

The man didn't know what to do, so he pulled his son up beside him on the donkey. When they reached the town, the people laughed and pointed at them. The man asked what they were laughing at.

The people said, "Aren't you ashamed of yourself for overloading that poor donkey of yours – you and your son?"

So they both got off and wondered what to do. They cut down a pole and tied the donkey's feet to it. Then they raised the pole and the donkey to their shoulders. They staggered along until they came to a bridge. The donkey, getting one of its feet loose, kicked out and caused the boy to drop his end of the pole. In the struggle the donkey fell over the bridge, and was drowned.

The old man and his son, feeling sad, made their way home, thinking: "When we try to please everybody, we please nobody."

Now check the fable again for the answers to these questions.

1 Who called the man and his son fools?

2 Who was the first one to sit on the donkey?

3 What word did the group of men use to describe the boy?

4 Who did the man and his son see after the group of men?

5 Where were they when people laughed and pointed at them?

6 What word tells you the man and his son found it hard to carry the donkey?

7 What happened to the donkey at the end?

8 What lesson did the man and his son learn?



THE EGG AND SPOON RACE – The Start

The teacher is trying to line up everybody for the egg and spoon race. But he's having trouble. Look at the order in which things happen.

The teacher, Mr Jackson, was about to blow his whistle to start the race. Then he saw that Eric had a real egg instead of a potato. Luckily, Mr Jackson had an extra potato handy and gave it to Eric. Everybody held up their spoons, ready to go. Then Bartek asked if he could go to the toilet. Mr Jackson nodded and looked at his watch. When Bartek returned, Samira asked if she could go as well. Mr Jackson sighed. Once everyone was lined up again, Mina dropped her potato. They all waited until she had picked it up. At last, Mr Jackson blew his whistle.



1 When Mr Jackson saw that Eric had an egg, what did he do?



2 Once Eric was ready, what did everyone do?

3 What did Mr Jackson do when Bartek asked to go to the toilet?

4 What happened after Bartek came back?

5 What happened just before Mr Jackson blew his whistle?

HOW IS ZOE TODAY?

You can often tell how people are feeling by the way they behave. How do you think this person feels?



Tick one box.

Zoe opened the door and blushed when she saw that the room was full of people she didn't know.

- shy
- angry
- happy

When Zoe saw the present at the foot of her bed, she jumped up and down.

- sorry
- sad
- excited

Zoe didn't get on with Harriet. So when Harriet asked her to play, her mouth fell open.

- cross
- surprised
- upset

When Zoe couldn't do her homework, she stamped her foot and snapped her pencil.

- sad
- angry
- happy

L. S. LOWRY

Read this information about the British painter, Laurence Stephen Lowry. To answer the questions that follow, you'll have to use the clues in the text.

Artist – L. S. Lowry

Laurence was born in 1887. As a child, he did not have many friends. His mother had dreamt of becoming a famous pianist, but her health was bad after he was born.

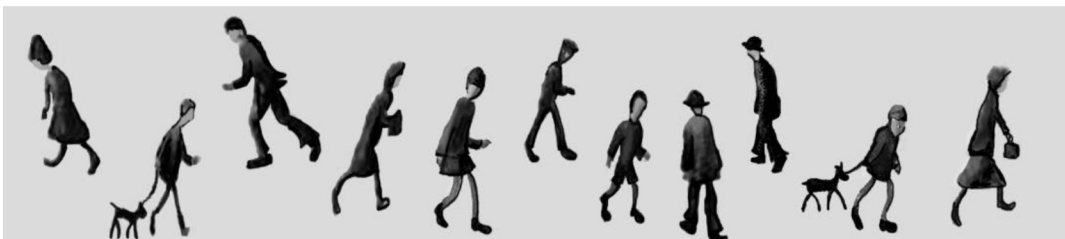


As a young boy, he lived on the edge of Manchester surrounded by trees. This became too expensive. The family had to move house. Then Laurence had to get used to seeing the smoke from factory chimneys rather than trees. Later, this was to become part of his art.


After leaving school, he studied art. He was interested in painting the landscape of factories, football crowds and working people that surrounded him. He is often described as painting 'matchstick men'.

His mother, who was ill for some time, died in 1939, before she could see how successful he had become.

He died in 1976. By then, he had done over 1000 paintings and 8000 drawings. Thirty-five years later, in 2011, one of his paintings sold for five million pounds.



1 Do you think Laurence had a happy childhood?

_____ 

2 Why do you think that?

3 What words tell you that Laurence’s mother was longing to be a great pianist?

4 How do you know the family was not rich?

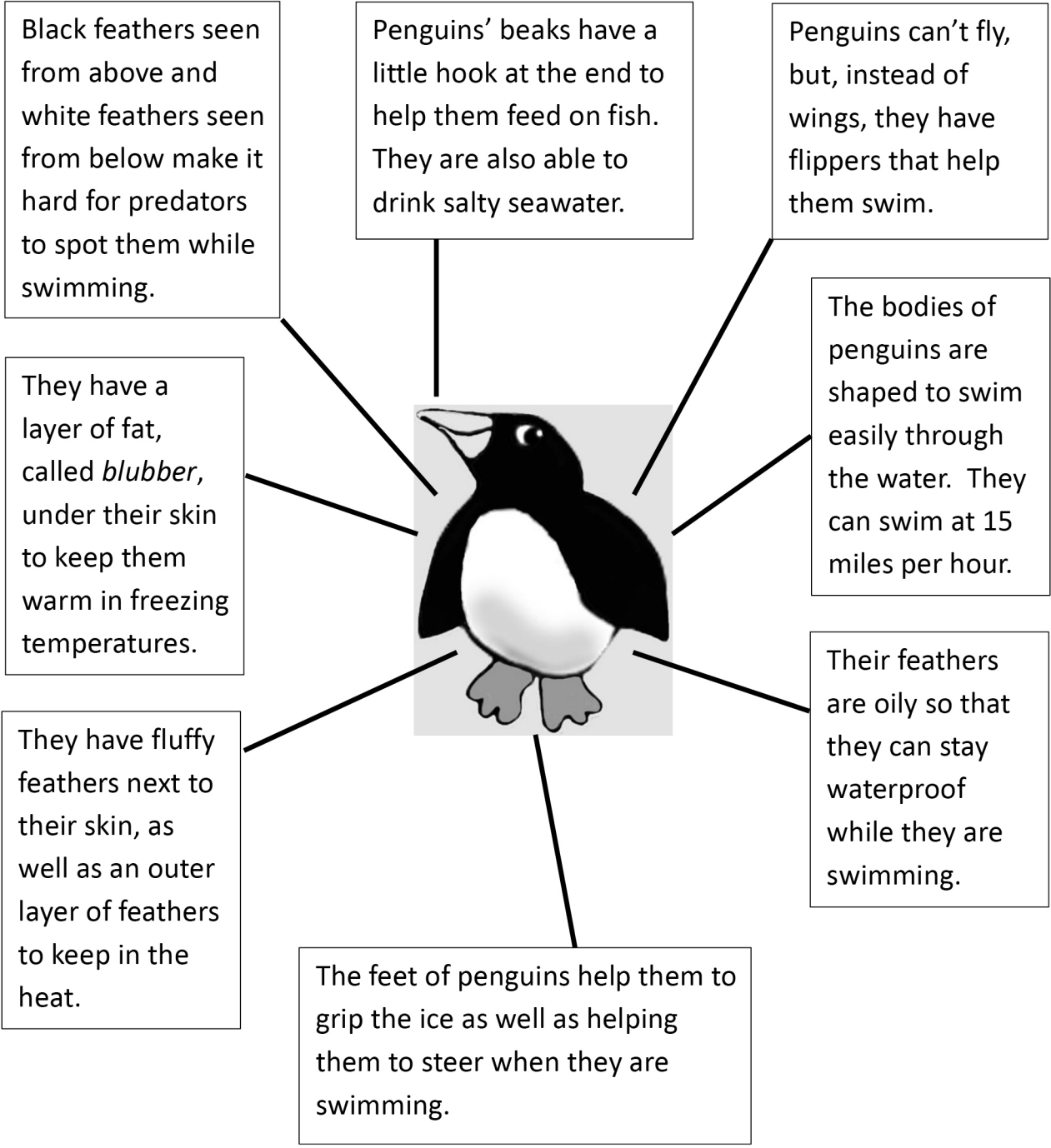
5 How did Laurence make use of the factories he saw around him?

6 Laurence’s mother never saw what a famous artist he became. Why was that?

7 How do we know he spent a lot of time painting?

THE PENGUIN

Here is a page out of an information book about penguins. See how the picture of the penguin has labels to help you read the facts.



They also huddle together to stay warm. As many as 5000 penguins will crowd close together when freezing winds are blowing.

1 How fast can a penguin swim?



2 Penguins are fast swimmers. Write down **two** things that help them.

3 How is being black and white good for the penguin?

4 What do penguins drink?

5 Which part of the penguin's body helps it to steer while it is swimming?

6 Write down **three** things that help a penguin stay warm.

PICTURE THIS

Look at this picture. Below, parts of the picture are compared to other things. Tick the sentence that you think is right, then say **why** you chose that one.



1 Does the moon look like a... smile
 or a... balloon?

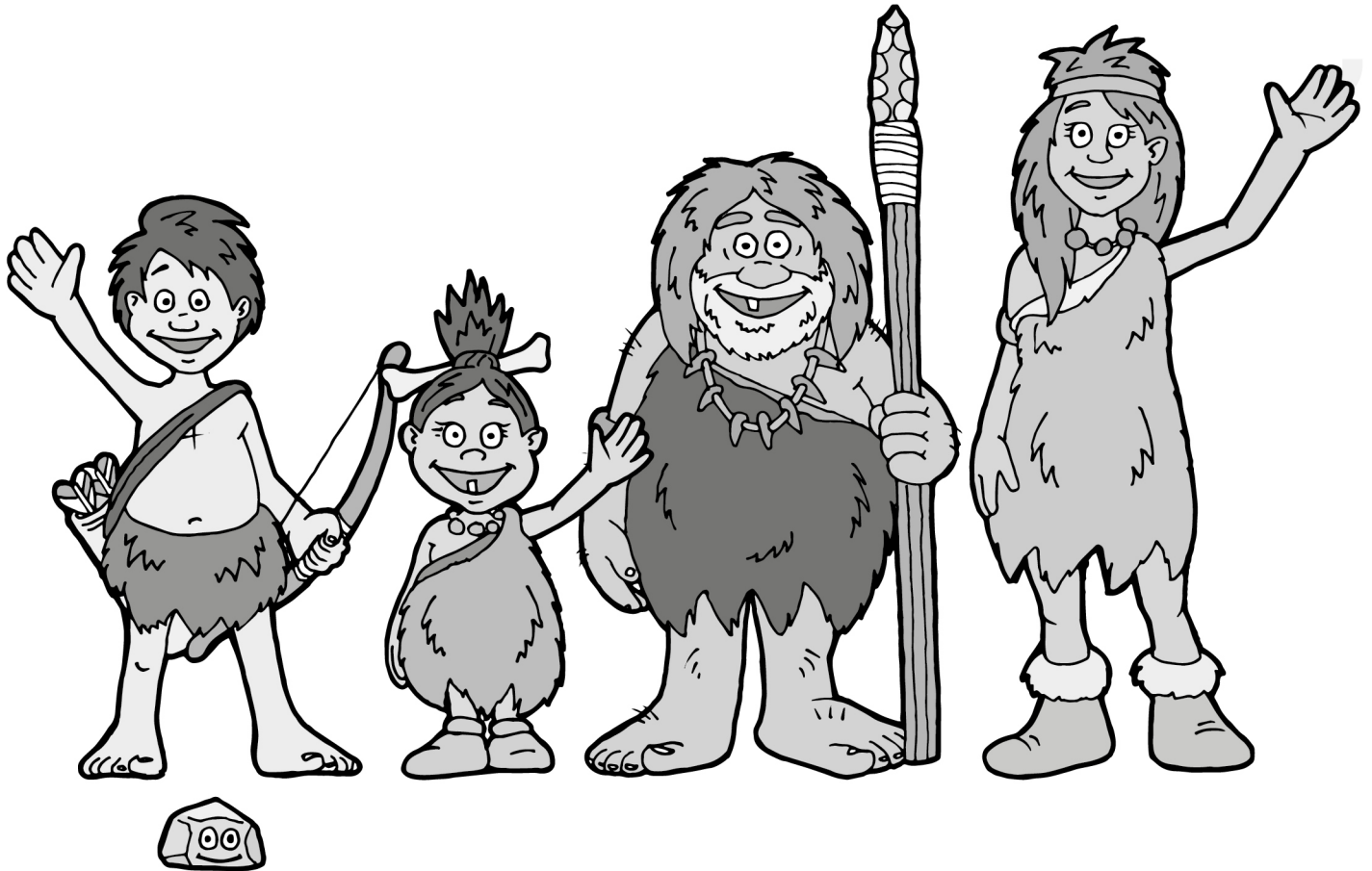
Why did you tick that one?

2 Do the fireworks look like a... fountain
 or... flowers?

Why did you tick that one?

3 Do the bats look like... black hats
 or... black umbrellas?

Why did you tick that one?

1. Meet the Firestones

This is Axel.

This is his baby sister, Tuft.

This is his dad, Ash.

This is his mum, Flame.

Meet the Firestone family.

Using full stops and capital letters

Write out the sentences below using capital letters and full stops. (Remember: names need capital letters.)

1 axel firestone is a caveboy

.....

2 axel has a baby sister called tuft

.....

3 his mum and dad are called flame and ash

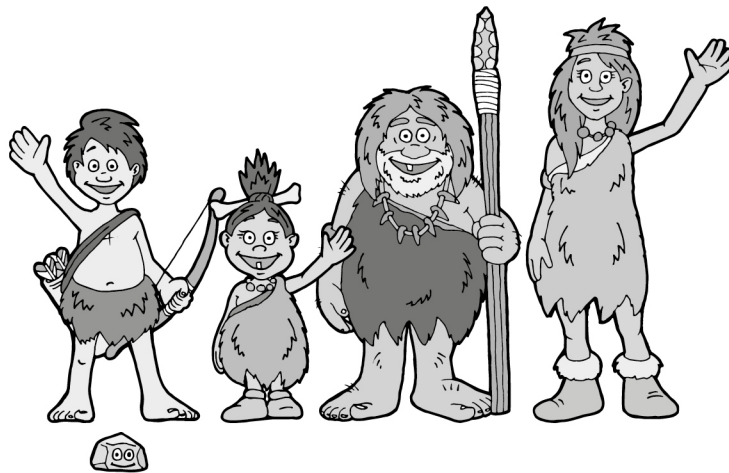
.....

4 they all live together in a cave

.....

Look at the picture and write a sentence of your own.

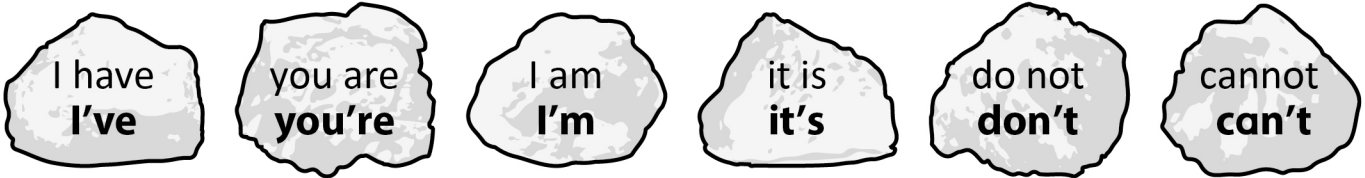
.....



Write more sentences about the Firestone family.

Using an apostrophe for contraction

Use the contractions in the rocks to complete the sentences.



Dusk told Axel what she was going to do.

- 1 (It is) too far to walk back with these heavy baskets.
- 2 (I have) got a plan.
- 3 (I am) going back to get help.
- 4 We (cannot) both go back.
- 5 So (you are) going to stay here.
- 6 (Do not) move from this spot.

Dusk left Axel to guard the baskets of fruit and vegetables.



Write the contractions in the story in full.

2. Meet the Moonlights



This is Dusk Moonlight.

She lives with her mum and dad.

Her mum is called Luna Moonlight and her dad is called Sol Moonlight.

They live next to the Firestones.

They live at 2, Cave Street, Blackrock, Dinoland.

Using capital letters for names of people and places

Write out the sentences below using capital letters for names. All the nouns that need capital letters have been written in bold to help you. (Don't forget the full stops!)

1 dusk moonlight lives at 2, cave street

.....

2 her friend, axel firestone, lives next door

.....

3 axel lives at 1, cave street

.....

4 they live in the town of blackrock

.....

5 they live in the country of dinoland

.....


Write Axel's address on the envelope.

Name

Street

Town

Country



Write your name and address.

Writing commands

To write **commands** you need to put the **verb** (the doing or action word) at the beginning of the sentence.

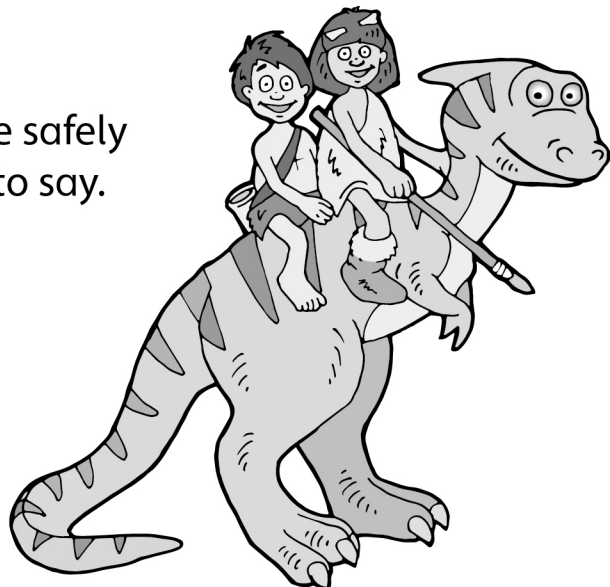
Write the sentences as commands. The first one has been started for you.

- 1 You will stop shouting, Axel. Stop
- 2 You will be brave.
- 3 You will jump on Seff's back.

Axel jumped on the dinosaur's back. The sabre-tooth tiger growled at them. Dusk pointed her spear at the tiger.

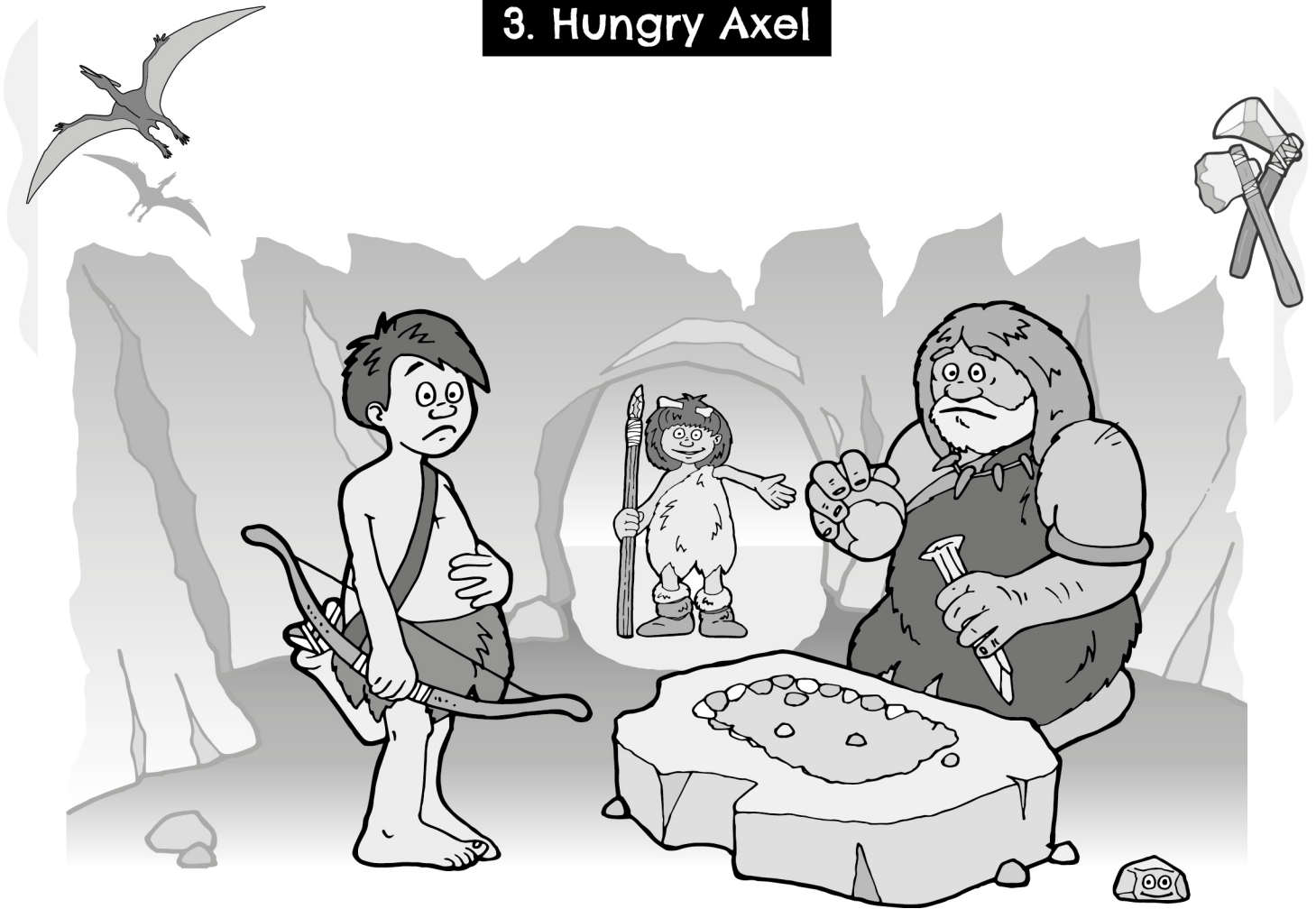
- 4 You will get away from us.
- 5 You will gallop off, Seff.
- 6 You will hold on tight, Axel.

Seff galloped off and soon they were safely back home. Axel didn't know what to say. He had been saved by a girl!



Write some more commands that Dusk might say.

3. Hungry Axel



Axel was hungry. There was nothing to eat.

Dad hadn't gone hunting for over a week.

Dad was too busy making a new firestone.

Axel took his bow and arrow off the wall.

"If Dad won't go hunting, I'll go on my own," said Axel.

Outside the cave he met Dusk, the girl from the cave next door.

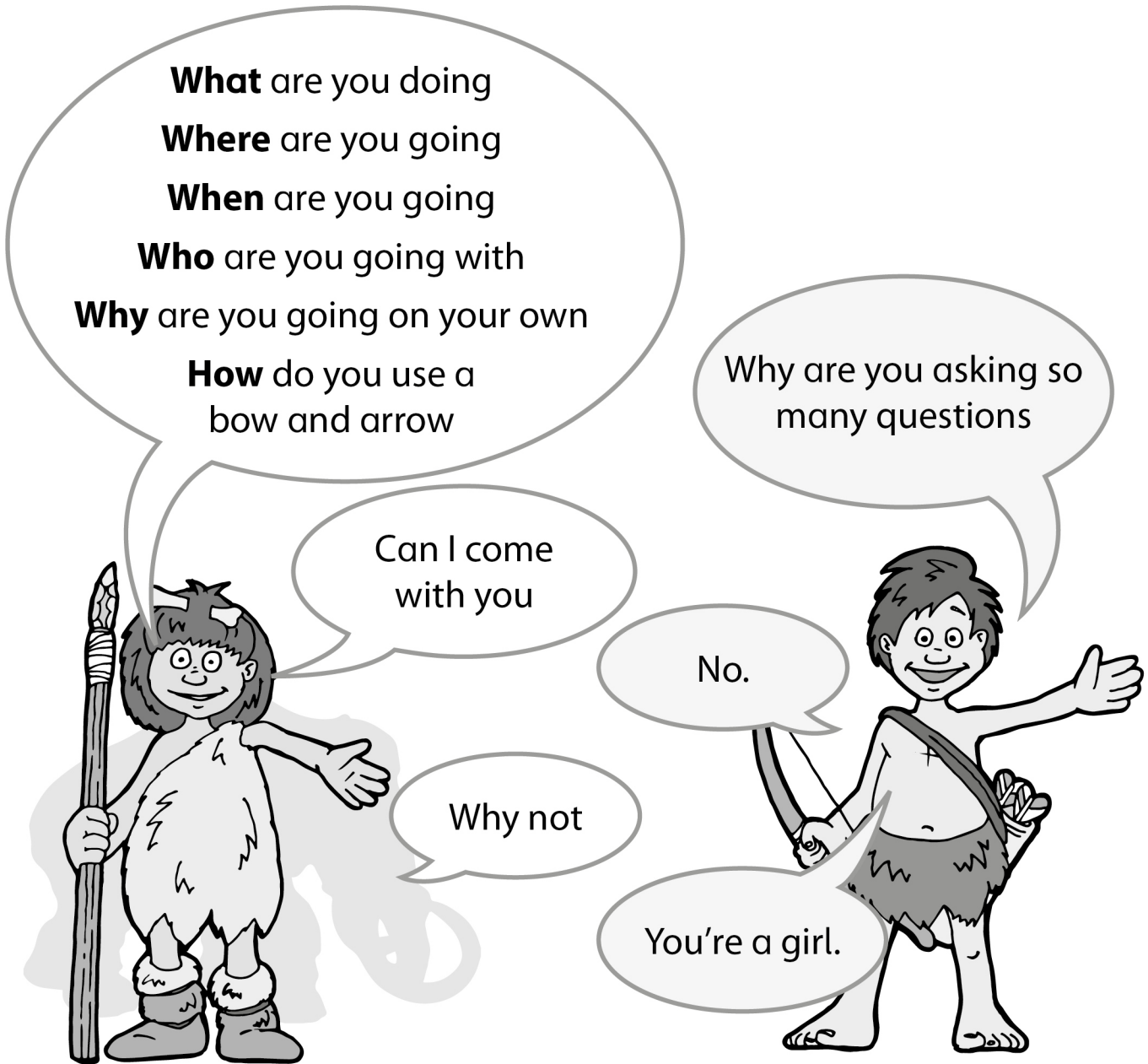
"Where are you going?" asked Dusk.

"Hunting," said Axel.

"Can I come with you?" asked Dusk.

Using question marks with questions

Put question marks at the end of the questions.



What are the six question words that Dusk uses?

.....

Write some questions you would want to ask Axel.

Using the prefix 'un'

Use the words in the box to complete the sentences below. Remember to add the prefix 'un' to change the meaning.

wise safe friendly sure lucky healthy

- 1 Axel was what to do.
- 2 Was it to go in the cave?
- 3 He knew it was to stay in the rain.
- 4 But was the cave an place to shelter?
- 5 Were there any creatures in the cave?
- 6 Was he going to be lucky or



Find the words with the prefix 'un' in the story and write your own sentences using them.

Using exclamation marks

Put exclamation marks after the words Axel speaks.



Axel hears a roar.

Oh-oh

Axel hears a rustle in the leaves.

Huh

Axel runs away.

Aghhh

Axel sees a sabre-tooth tiger.

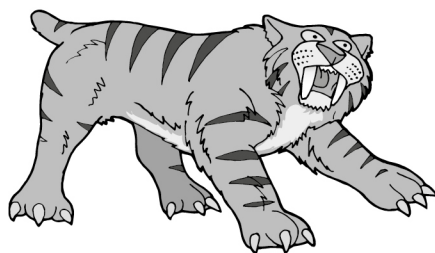
Oh, dear



Get me out of here

The sabre-tooth tiger runs after Axel.

Help



Axel climbs up a tree.

Write some exclamations of your own that Axel might say.

Put the words in sets.

giraffe ace huge jewel centre nice
fudge rage charge edge jingle city
budge circle pace magic join engine

I'm collecting **ge** words.



.....
.....
.....

I'm collecting **dge** words.



.....
.....
.....

I'm collecting **gi** words.



.....
.....
.....

I'm collecting **j** words.



.....
.....
.....

I'm collecting **c** words.



.....
.....
.....

I'm collecting **ce** words.



.....
.....
.....

Complete the sentences using the words below.

change pence cage once jog angel

That will cost twenty please.



I'm an in the Christmas nativity.



..... upon a time.



The mice are in their



I'm going for a around the playground.



Do you have any



The children say the words backwards.
Write the words the correct way around.

w o n k



.....

t i n k



.....

e l b a f



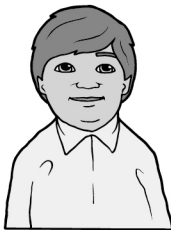
.....

e l d d u m



.....

p a r w



.....

e t i r w



.....

w a n g



.....

e m o n g



.....

l a t e m



.....







l a t o t






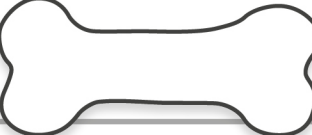


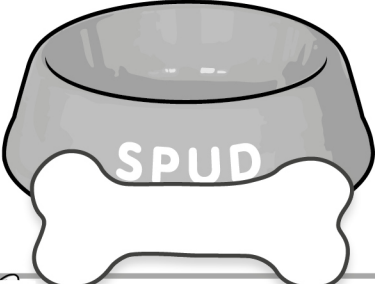




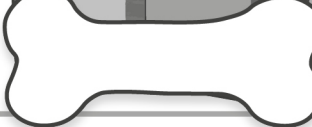
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Spud, the dog, has hidden his bones in different places.
Can you remember where he put them?

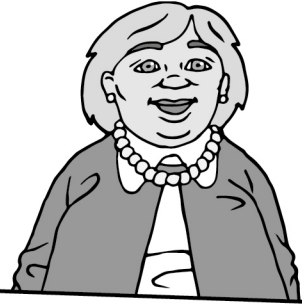
Look at the picture.

 knob	 uncle	 gnome
 SPUD wrap	 knack	 camel

camel gnome knob wrap knack uncle
Cover it up. Write the words in the correct bone below.

The children have all done a spelling test.
They have each made one mistake.
Can you spot the mistake and correct it?



Name **Bean**

knock
nash
write
table
metal
travel

.....

Name **Petal**

knew
gnat
wrapper
puzzle
animal
camle

.....

Name **Buddy**

knee
gnome
wrist
muddle
total
labal

.....

Name **Blossom**

knight
gnaw
rote
bottle
animal
tunnel

.....

Name **Sprout**

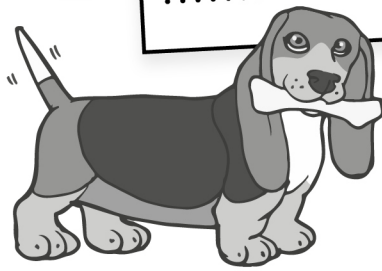
knot
gnash
wrap
middel
capital
label

.....

Name **Twiggy**

knob
gnat
wrist
simple
musicle
camel

.....



Put the words in sets.

pupil	dries	parties	hurried	reply	hurry
marrying	great	carried	gerbil	copying	every
berries	even	replying	stencil	worried	shy

I'm collecting **il** words.



.....

.....

.....

I'm collecting **y** words.



.....

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I'm collecting **ies** words.



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I'm collecting **ied** words.



.....

.....

.....

I'm collecting **ing** words.



.....

.....

.....

I'm collecting **common exception** words.



.....

.....

.....

The letters are muddled up. Put them in the right order to spell words.



ed words

depprod nedring



ing words

gegginb ginghug



all words

lastl slalm



alk words

halck kalts



o words

thomn thonnig

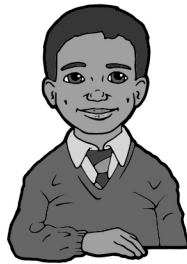


common exception words

sargs rafeth

Complete the words below.

Add **eyes** to complete these words.



monk.....

donk.....

chimn.....

Add an **a** to complete these words.



w.....nt

w.....nd

w.....tch

Add an **s** to complete these words.



u.....e

u.....ual

televi.....ion

Add **tion** to complete these words.

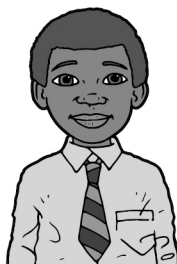


fic.....

addi.....

subtract.....

Add **or** to complete these words.



w.....d

w.....k

w.....st

The letters are muddled up. Put them in the right order to spell words.



ey words

nemkoy denkyo



qua words

shuaqs tinqauty



ar words

wadra dowarts



or words

strow korw



tion words

nitopo tistona



common exception words

resu doluc

One word needs a plural and one the possessive singular.



Should it be **girls** or **girl's**?

Here are the

This is the bag.



Should it be **teachers** or **teacher's**?

The car is in the car park

The are in the staffroom.



Should it be **mums** or **mum's**?

The are waiting by the gate.

My car is red.



Should it be **boys** or **boy's**?

The ball is on the roof.

The wanted to play football.



Should it be **dads** or **dad's**?

That's my phone.

The are chatting in the playground.