

YES WE CAN

A fun activity book for young children
from WEST (Women in Engineering, Science and Technology)



This book belongs to:

Maryam the mechanic is mending a car

Can you find the six differences in these two pictures?

1



2



- The six differences are:
- 1 The tax discs are different colours
 - 2 Her hair band is a different colour
 - 3 There is an extra bit of engine in picture 2
 - 4 She has some paper in her overall pocket in picture 1
 - 5 The end of the spanner is different
 - 6 The number plates are different

Tracy the bricklayer is building a garden wall

Can you count all the bricks on the wall? Draw a brick path for Tracy, and more flowers and trees.

Now colour in all the garden.



Help the scientists find their tools

There are lots of different sorts of scientists. They find out about lots of different things. Can you colour in or put the right sticker next to each woman so they have the equipment they need for their jobs.

I am Sam.
I use a hammer and
magnifying glass to find out
about rocks and how the world
was made.
I am a geologist.



I am Sharon and I study plants
and nature.
I am called a botanist.
Right now I'm planting trees
with a **spade**.



I am Sara. I am an astronomer. I study the stars, planets and galaxies with a **telescope**.

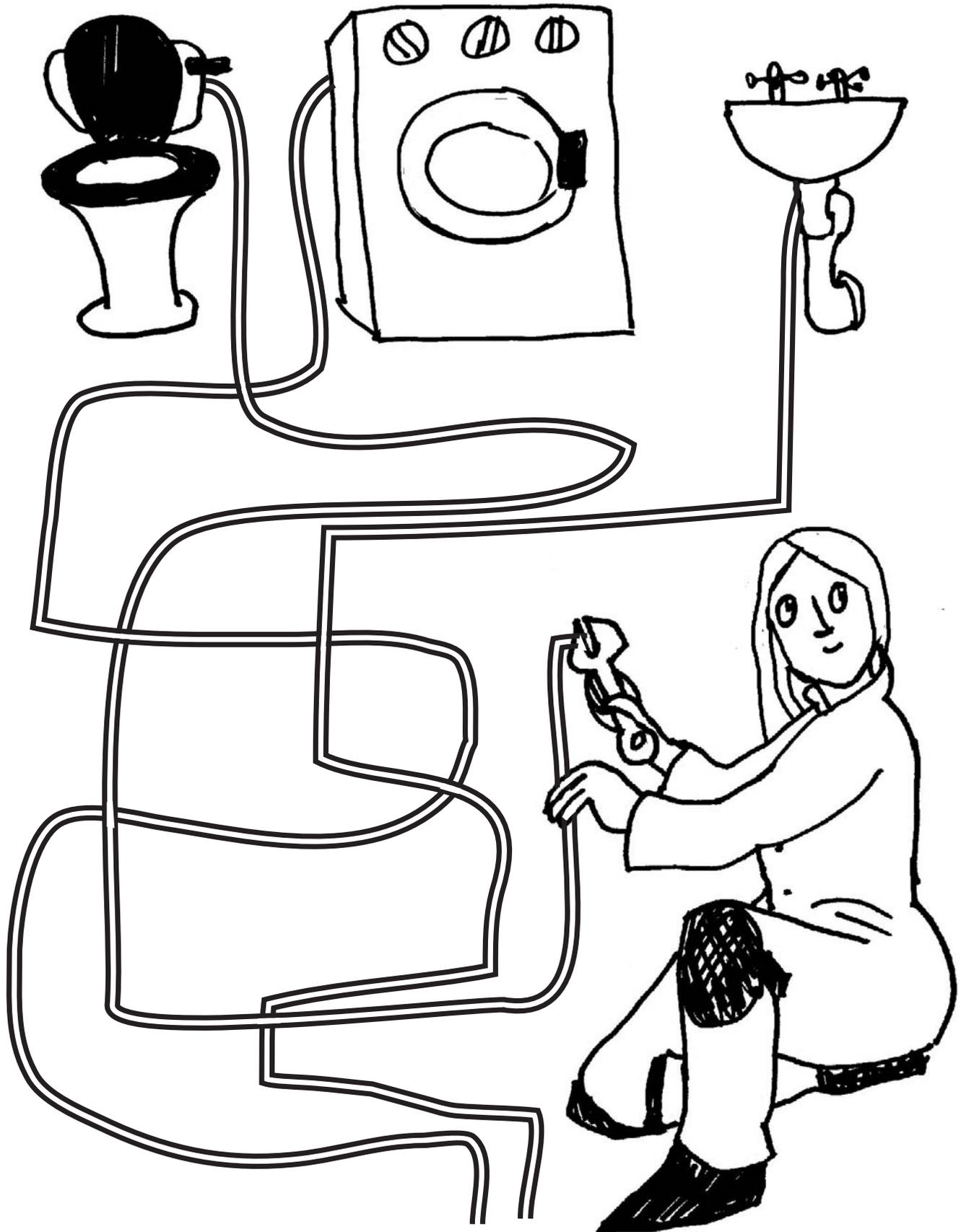


I am Scarlett I work in a laboratory. I use **flasks** and other equipment to help make new medicines.
I am a chemist.



Kay the plumber is mending a leak in a pipe

Can you name the things she is mending?



Mandy the electrician is fitting some new plug sockets

How many electrical things can you see in this kitchen?

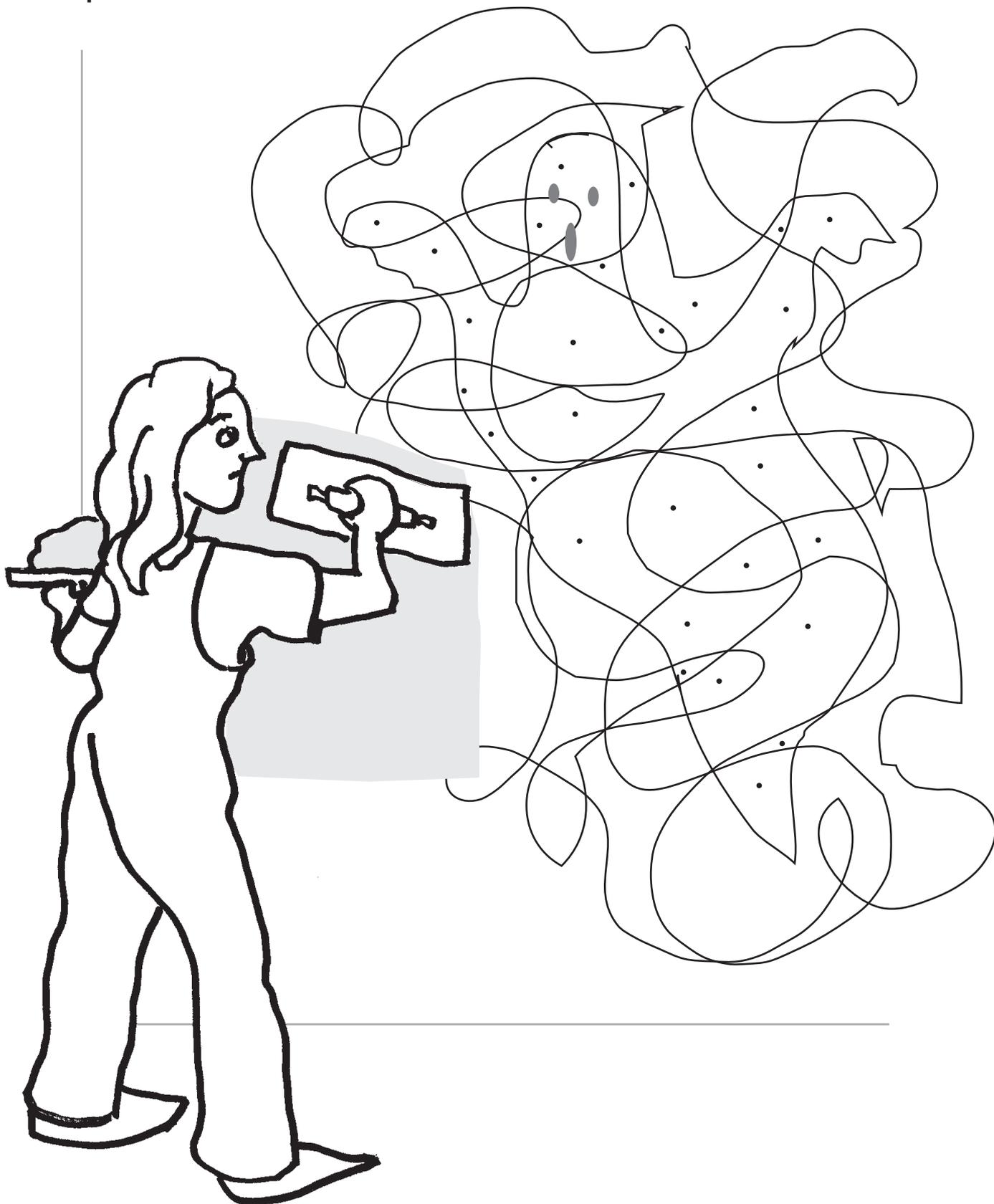
How many do you have at home?



Starting from the top: A microwave, radio, fridge freezer, toaster, kettle, washing machine and dishwasher

Suzanne the plasterer has made a discovery

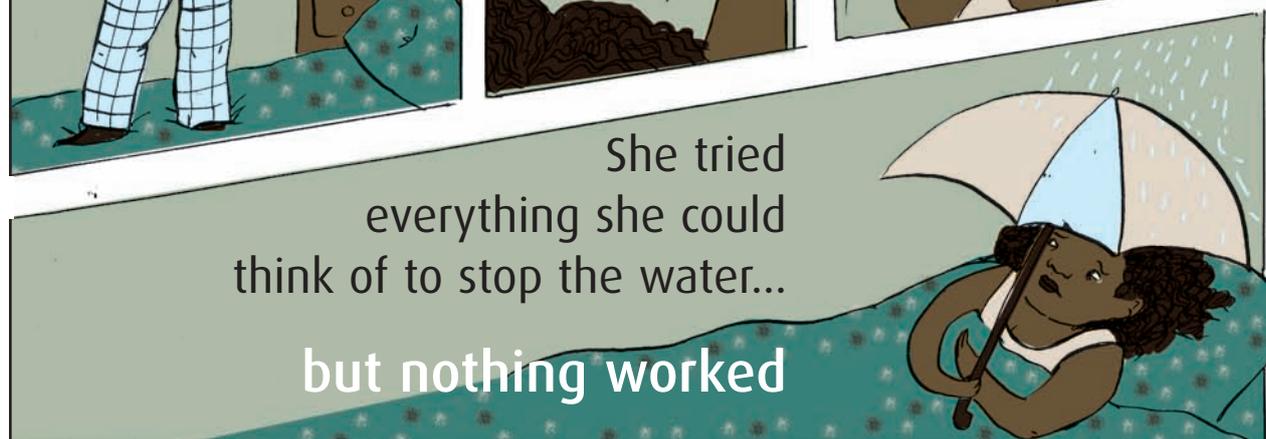
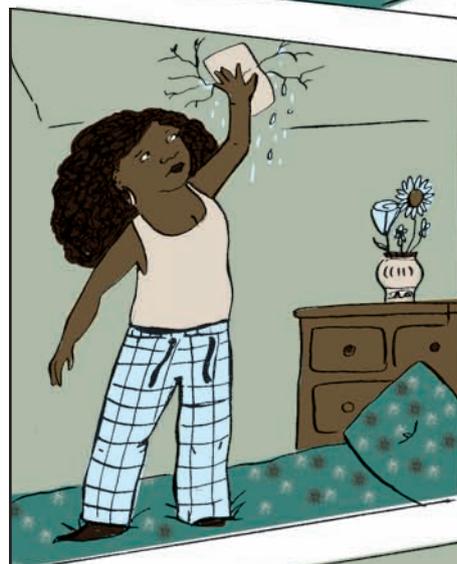
What has she found on the wall she is going to plaster? Colour in the shapes with dots in them to find out.



Ruby the roofer comes to the rescue



As the rest of the town slept snugly in their beds, Ms Hawkins was not having such a good night.



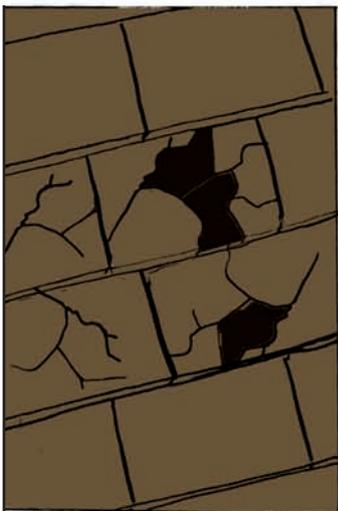
"I know who will be able to fix this," thought Ms Hawkins...



...and she called Ruby.



Ruby and Harry got to work straight away.



Ruby found the broken tiles.



The wood underneath the tiles was soggy and rotten and needed to be replaced.



She carefully cut it off with her saw.

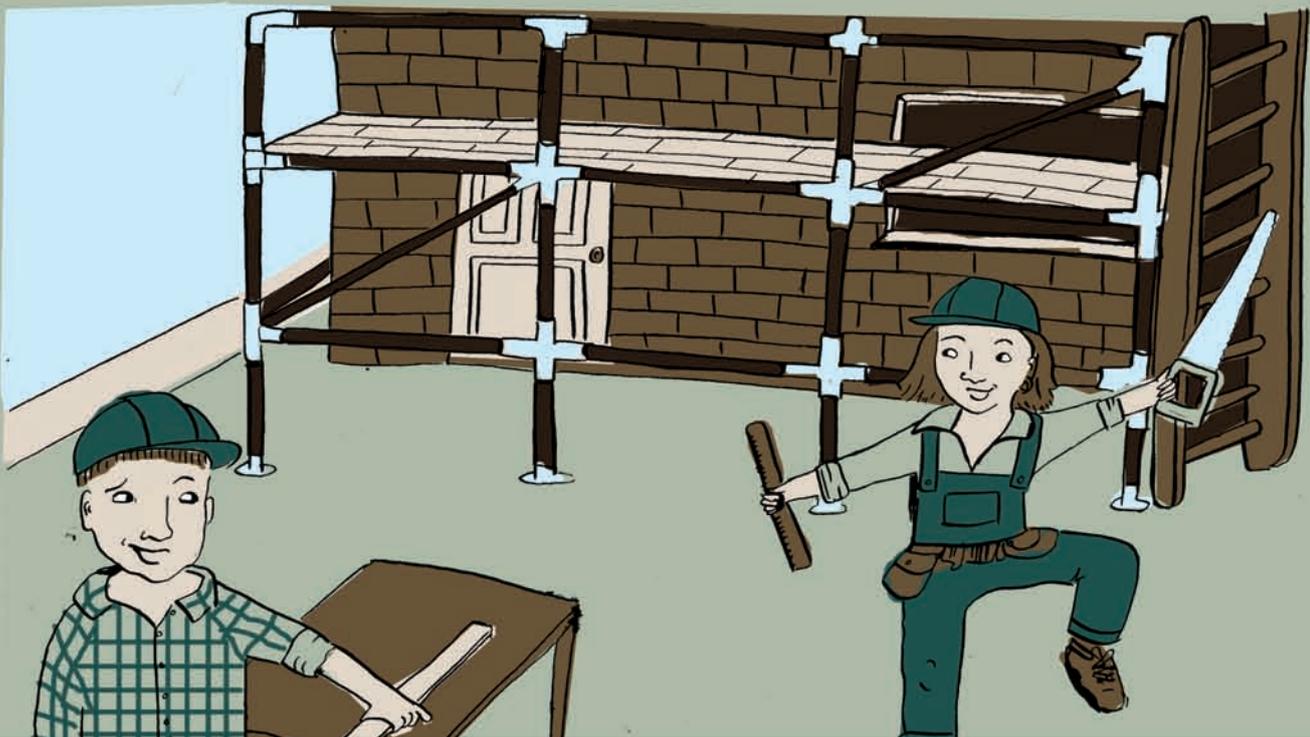


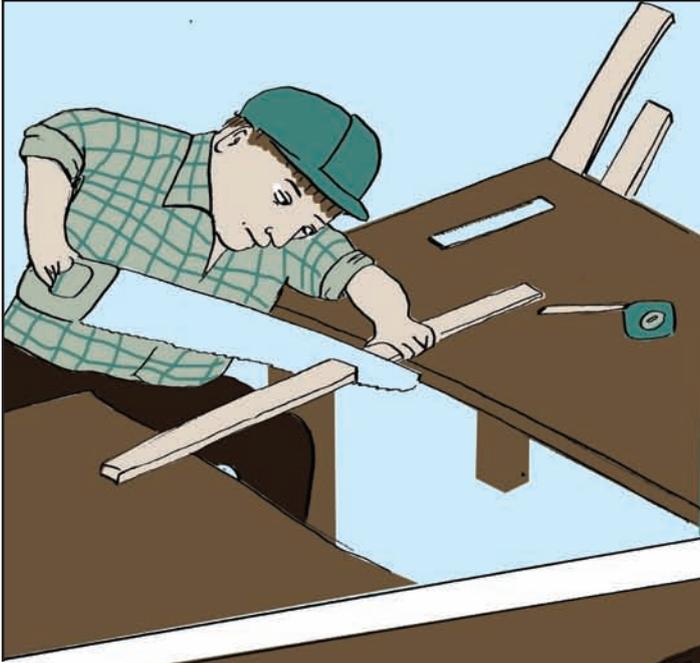
Ruby arrived early next morning with her helper, Harry.

Well... first things first!



Then Harry went to cut the new piece of wood...





..."Make sure you cut it the right length," called Ruby.

"We don't want wonky tiles!"

Ruby nailed the new wood in place, and then replaced the tiles.



Ms Hawkins was delighted.

Looks like they were just in time!



Louise the decorator is painting the front doors

You decide on the colour of the doors for her and colour them in.

Can you also spot the six differences between these two houses?



- From the top:
- 1 One house has a wind turbine on the roof
 - 2 The rubber plant is missing a leaf
 - 3 One house has a lampshade and one a birdcage
 - 4 The cats are facing different ways
 - 5 One blind is lower
 - 6 One house is number 22 the other 24

We are going to build a house

Our tools have got all mixed up. Which tools belong to who?

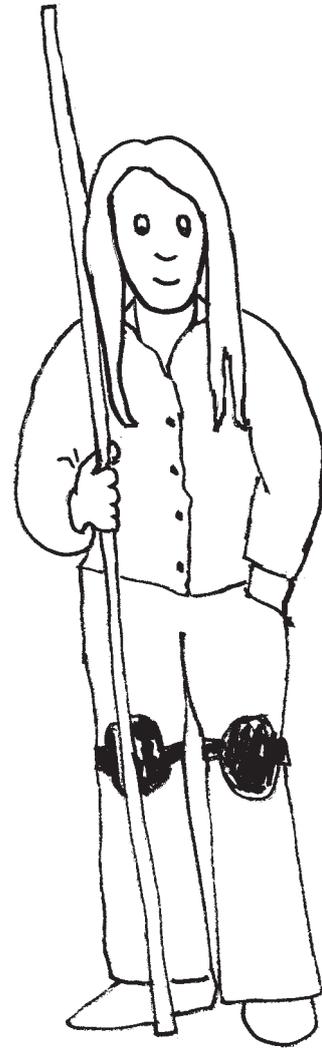
Now colour them in.



I'm **Tracy** the **builder** and I will build the walls of the house. The walls are made out of bricks held together with cement. Can you find my trowel so I can get started?



I am **Claudia** the **joiner**. I will cut up the wood we need to make the frame for the roof and the floors, and make sure it all fits together properly. Where did I put my saw?



I'm **Kay** the **plumber**. I am going to put in the radiators for the central heating and all the pipes for water. Can you find my spanner?





My name is **Mandy** and I am the **electrician**. I will put in the wires and plugs so that there is electricity to power all the lights and machines in the house. Where is my screwdriver?



I am **Louise** and I am the **decorator**. When everyone else has done their work I will paint the walls, doors and window frames. Have you seen my paintbrush?



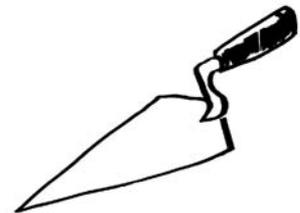
Screwdriver



Saw



Trowel



Paint brush



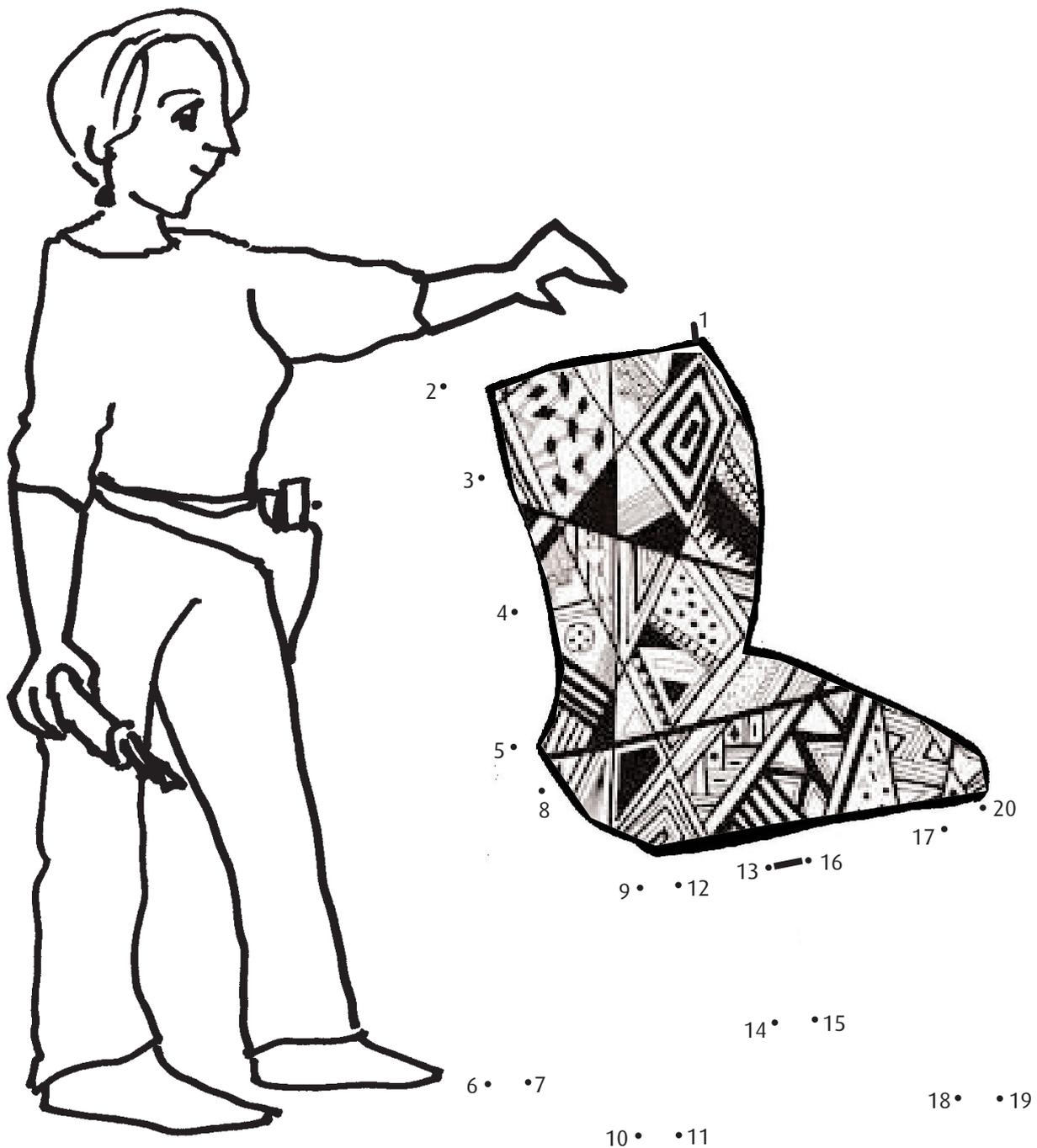
Spanner



Becca is a furniture maker

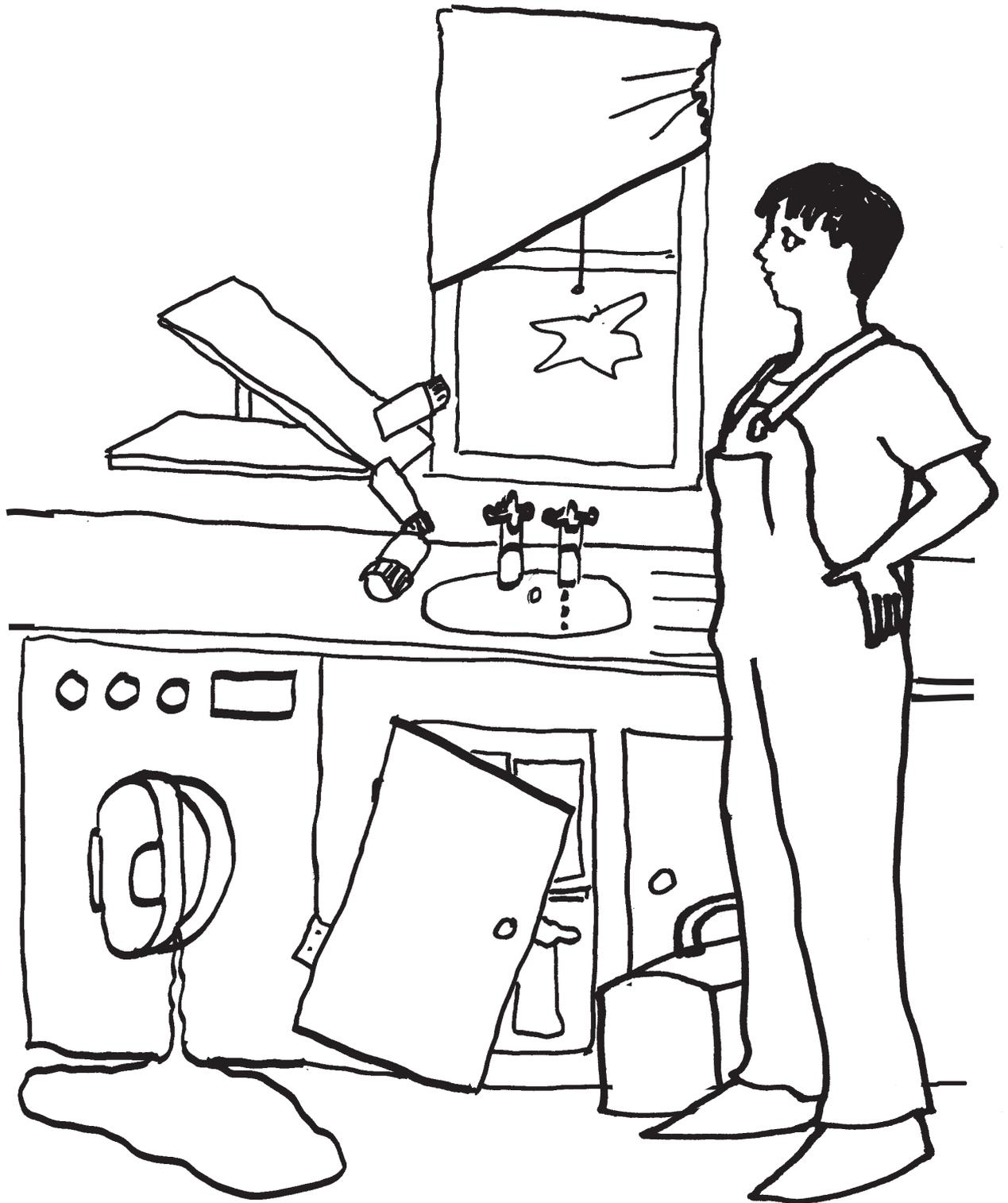
Join the dots to find out what has she made.

Now colour this picture.



Laura the handywoman does all those little jobs...

She has six things to repair in this kitchen. Can you see them??

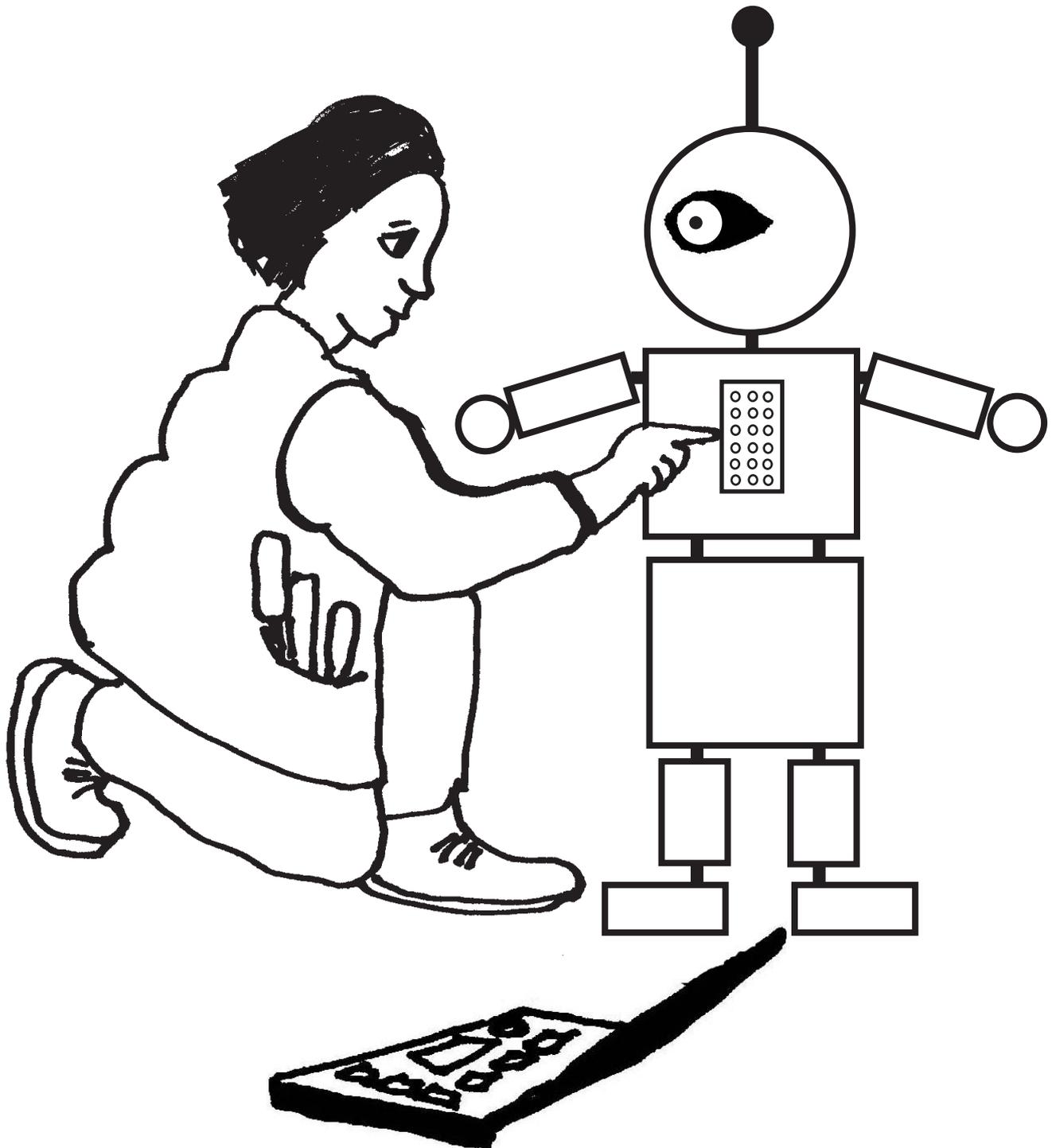


Starting from the top: 1 The window blind 2 A broken window pane 3 The cupboard door is broken 4 A dripping tap 5 The washing machine is leaking 6 The cupboard door is broken

Audrey the engineer has made a robot

How many squares, how many rectangles and how many circles did she use?

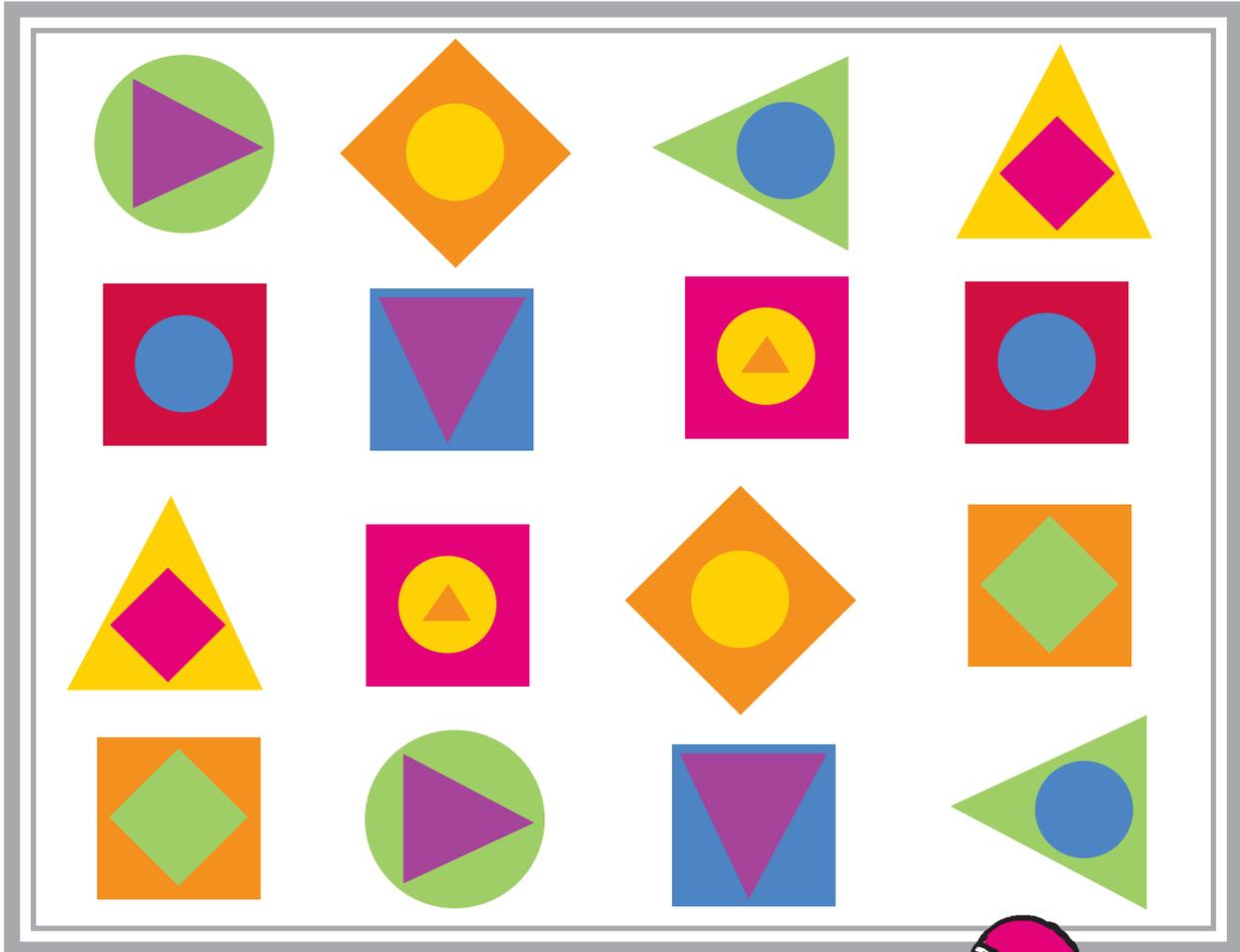
Now colour in this picture.



Safiya is a software designer

She makes games for phones, apps and tablets.

She is making a new game. Can you match all the pairs?



The **YES WE CAN** activity book shows some of the jobs in engineering, science, technology and construction that everyone can do.

Written and illustrated by:

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Dan Moat, Tahninial (cover graphic)

With thanks to:

Great Moor Infant School

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Lynne Bianchi

WICAT (Women in Construction, Arts and Technology)

...and all the women in our book



Audrey
the engineer



Becca
the furniture
maker



Claudia
the joiner



Kay
the plumber



Laura
the
handywoman



Louise
the painter and
decorator



Mandy
the electrician



Suzanne
the plasterer



Tracy
the bricklayer

You can request and download more copies of this activity book at
www.westskills.org.uk



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