



Blake's Topic Bank

20 Logic, Fun and Thinking Activities — Middle

by **Peter Clutterbuck**

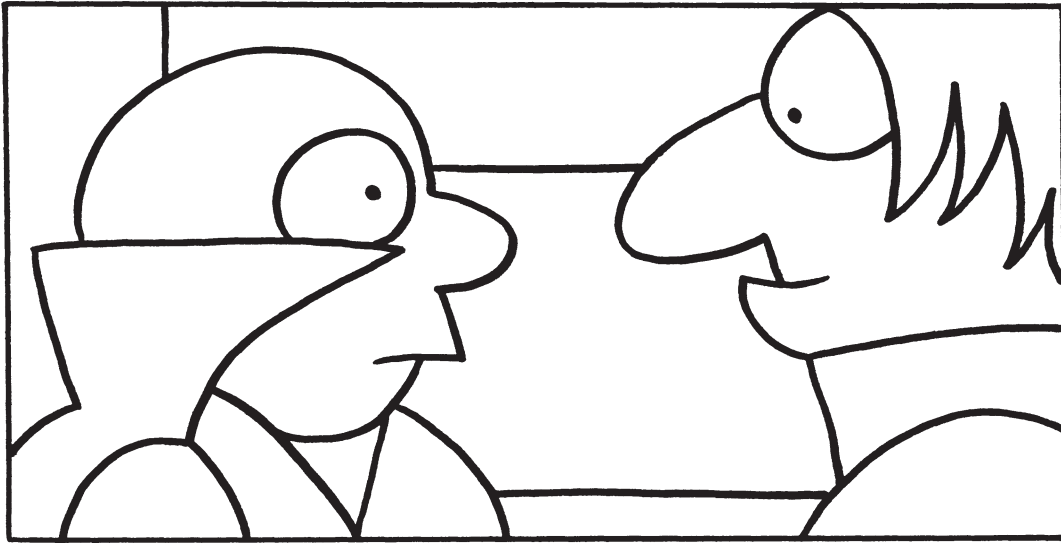


This pack contains:

- Pattern and shape recognition and making
- Recall activities
- Answers

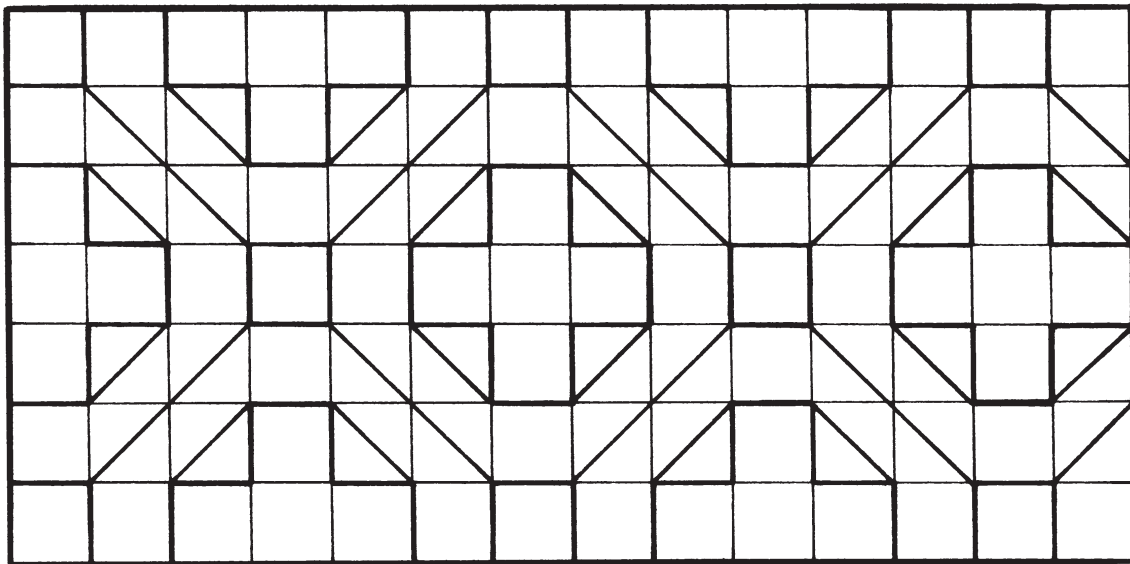
Colour by design

Colour the design using only four colours. No shape of the same colour is to touch each other.



Pattern colour

Colour the pattern any way you wish to create a pleasant design.

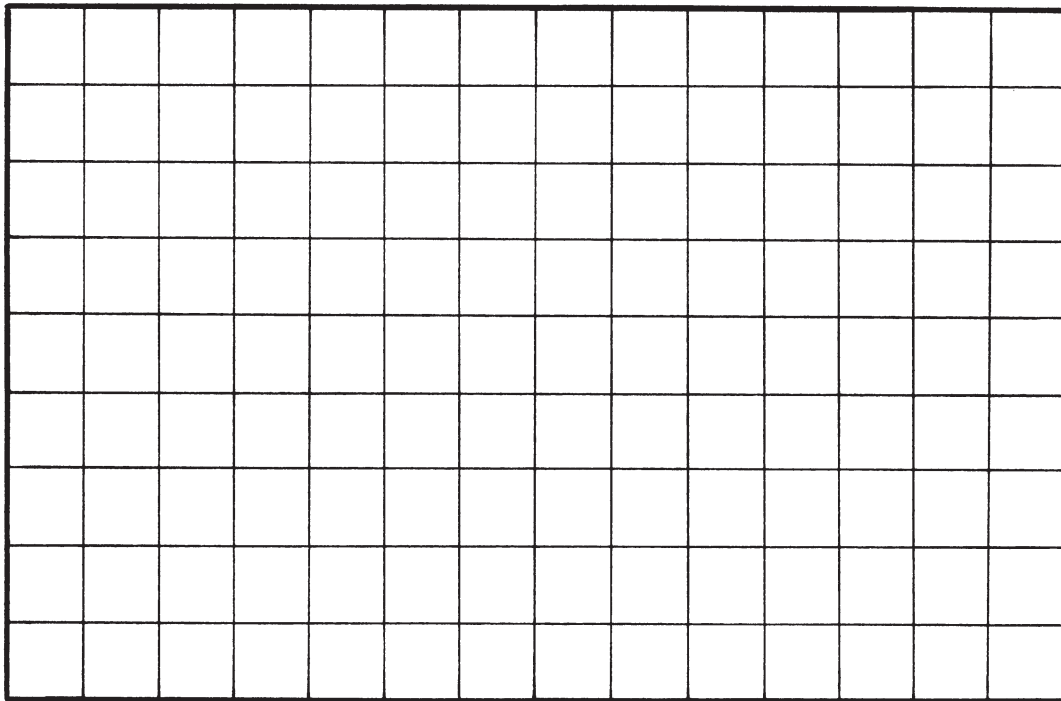
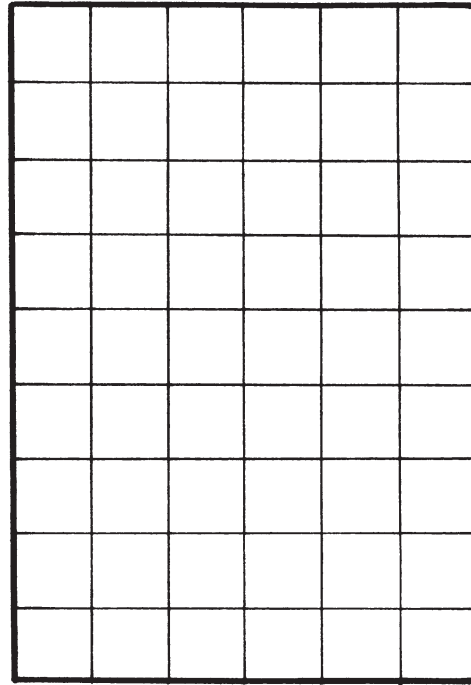
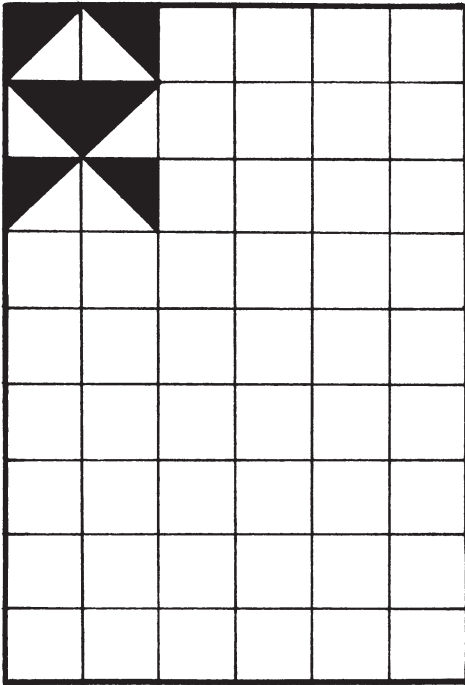


MIDDLE

Patterns

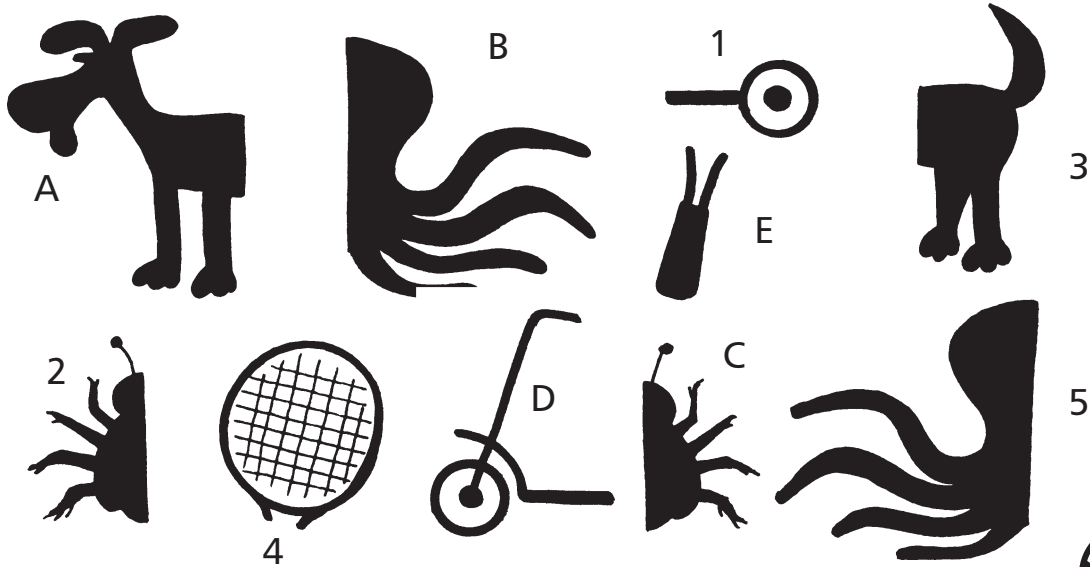
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Create patterns of your own in the grids below. Think carefully so yours are different from your classmates. One has been drawn to give you an idea.



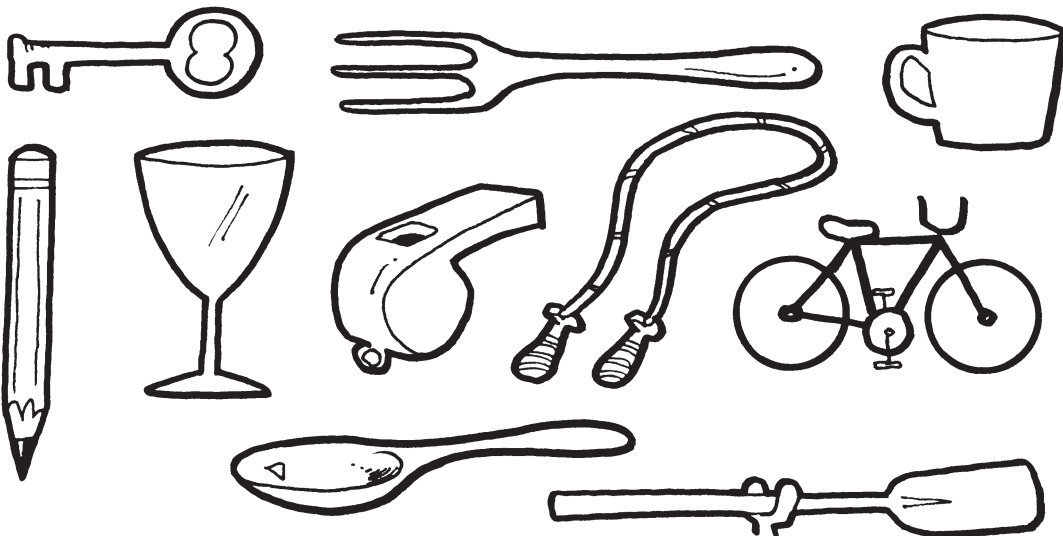
Shaping up

Match the picture outlines that belong together. Each of those marked 1 to 5 belongs with one of those marked A to E.



Memory test

Look closely at the ten pictures in the box below. Give yourself two minutes to look, then cover them up and write down all those you can remember.

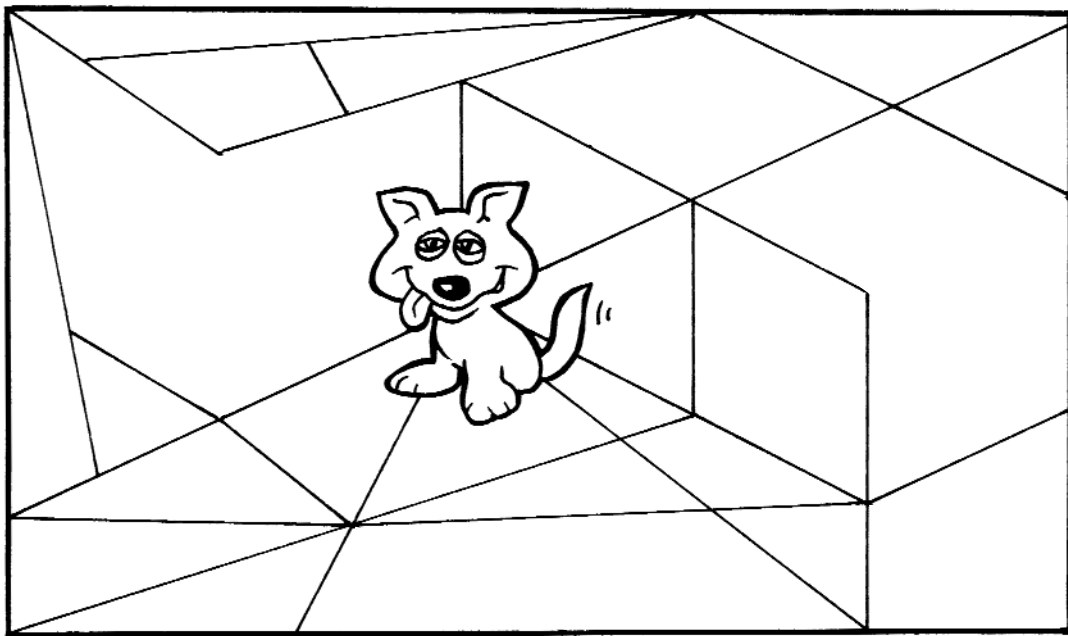
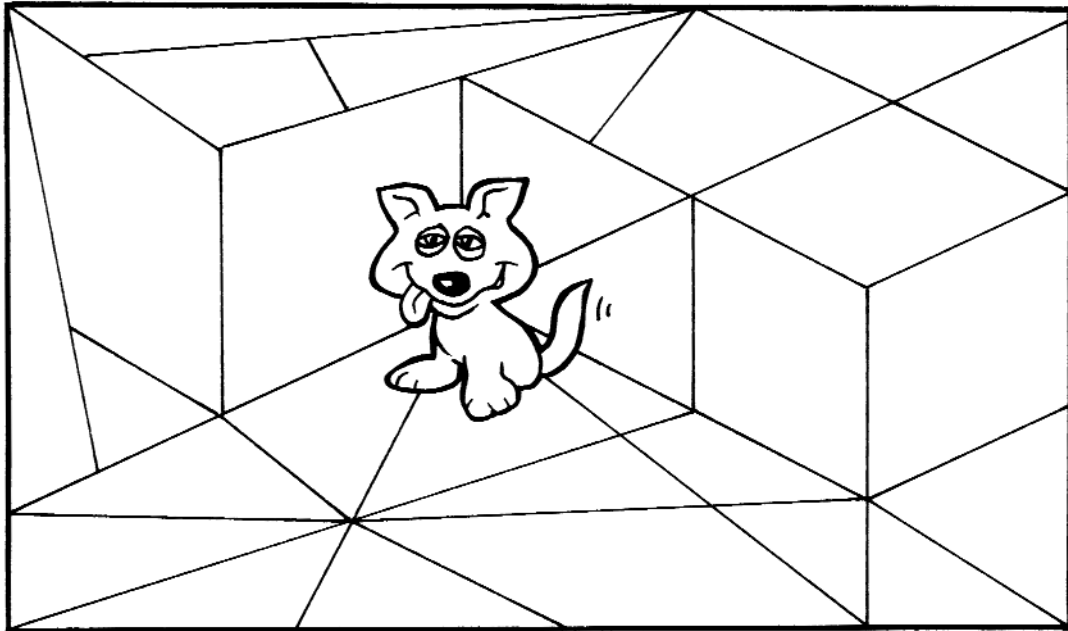


What's missing

Look carefully at the two pictures. There are six lines missing from the second picture.

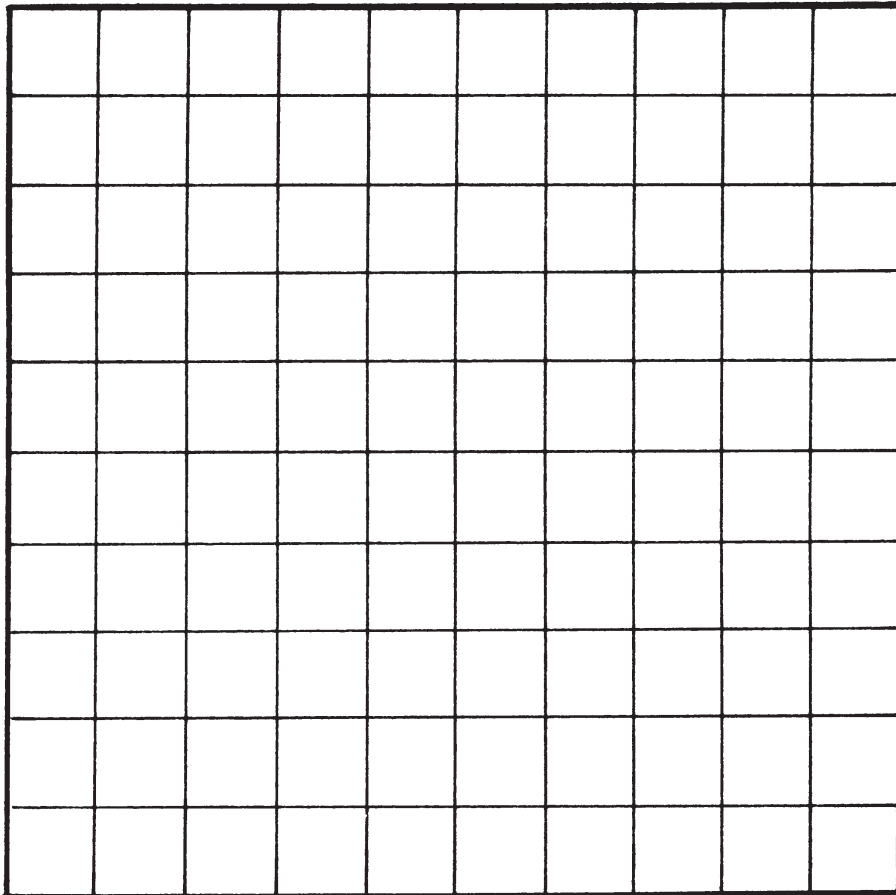
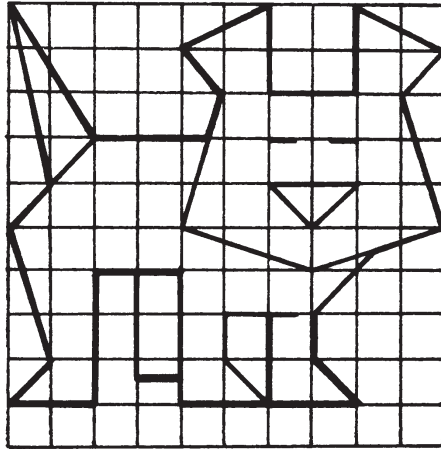
Rule in the missing lines. Colour the cube yellow.

Now colour both pictures.



Growing larger

Look at the picture in the small grid. Draw it exactly as it is in the larger grid below. Colour your picture.

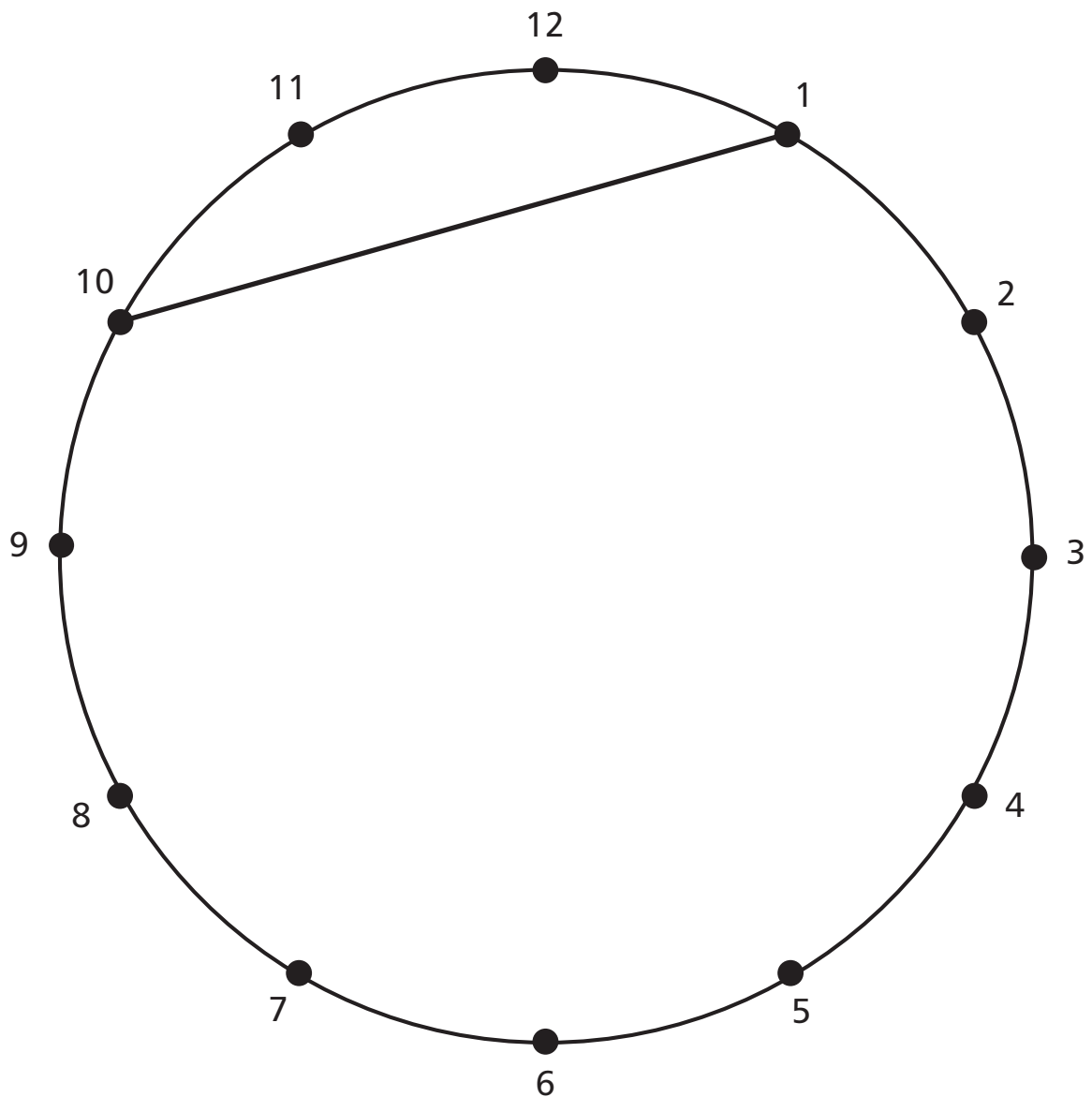


Circle pattern

Using a sharp lead pencil, you can create a very pleasing pattern by following the steps below:

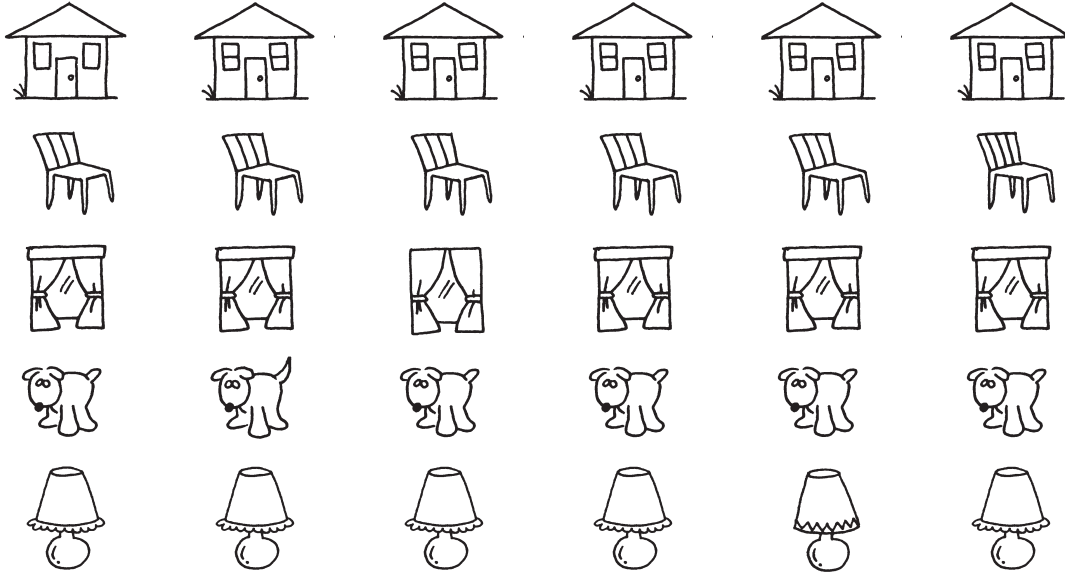
- rule a line from 1 to every other number
- repeat this starting at 2, then at 3 and so on.

We have started it for you.



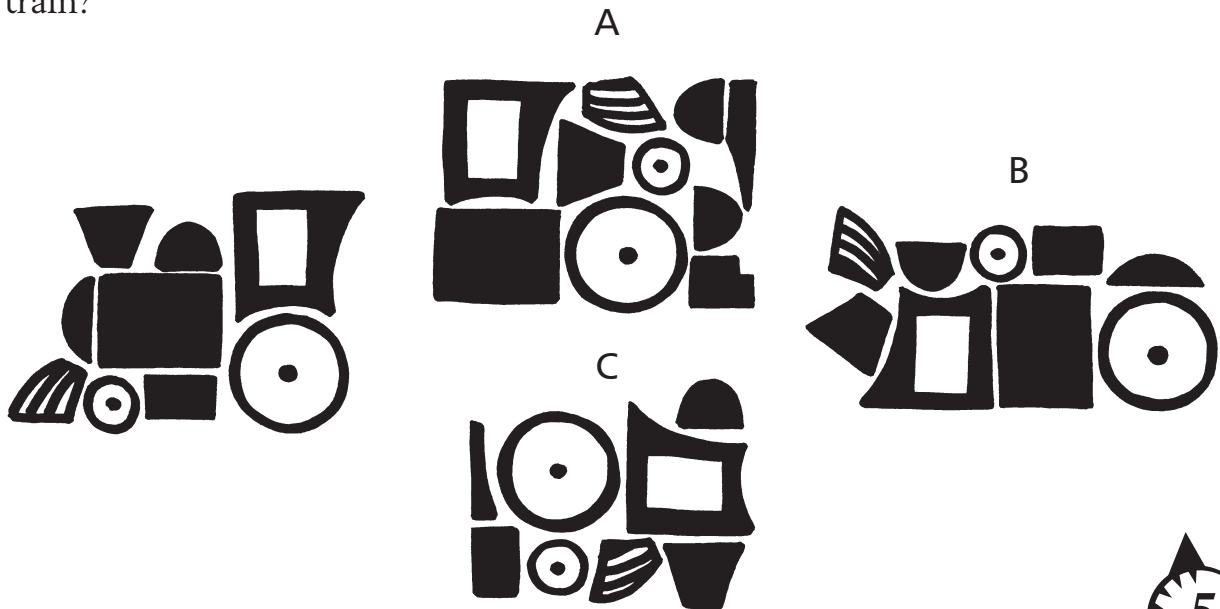
Which one is different

Study each row of pictures. Circle the one that is different from the others in that row.



Look and think

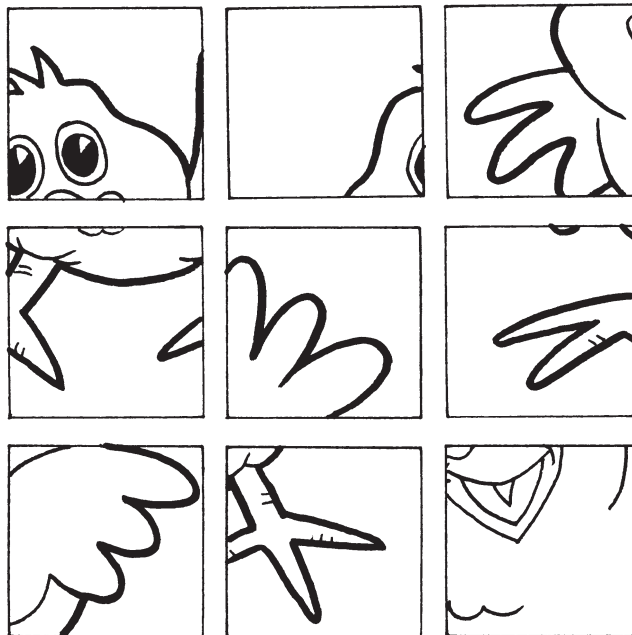
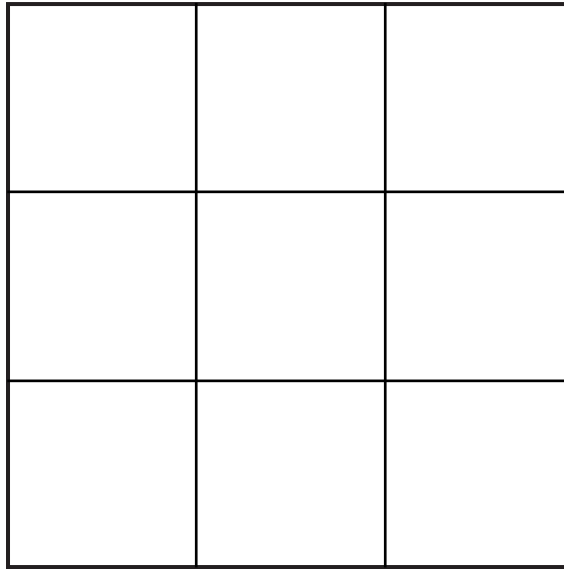
Which group, A B or C, includes all the pieces that make the full steam train?



MIDDLE

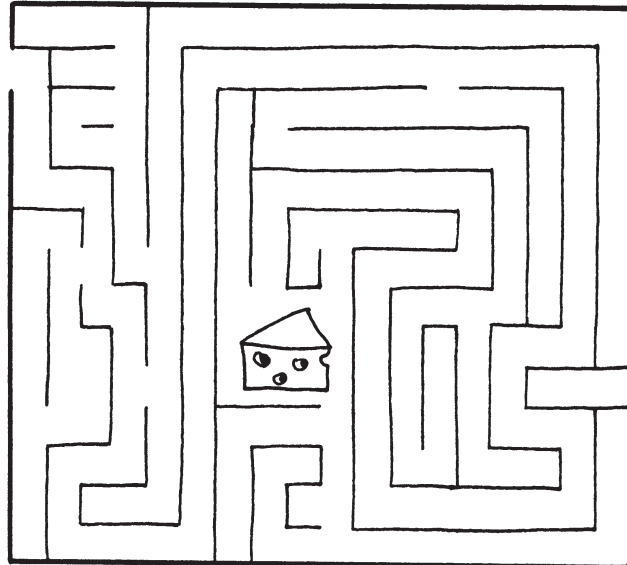
Jigsaw

Cut out the pictures in the squares below and place them in the grid so they make a bird. Glue them in place, and colour the picture.



It will amaze you

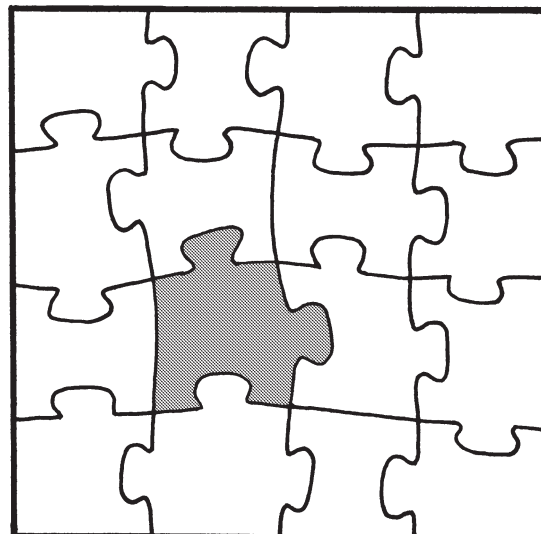
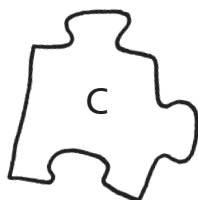
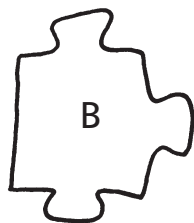
Find a path through the maze. Trace the path using a lead pencil then colour the path in a bright colour. Use another colour to fill in the rest of the maze.



Remember, one way to do a maze is to colour all the dead ends first.

Eye tricks

Circle the missing piece from this puzzle.

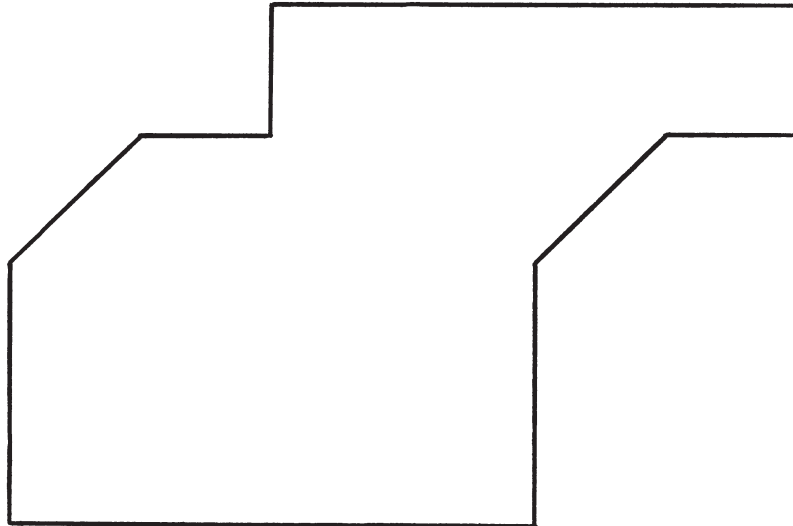


MIDDLE

Squaring up

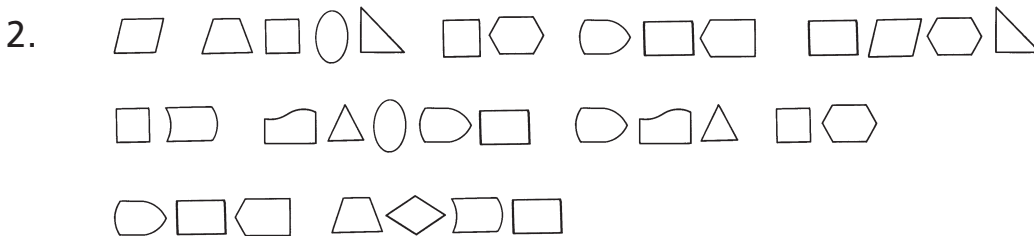
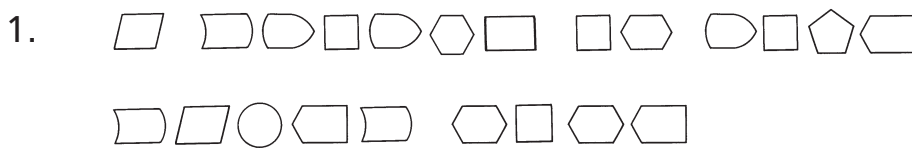
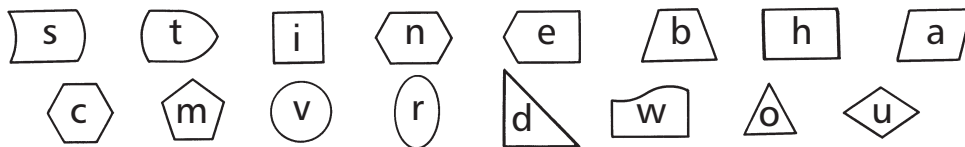
If you cut this figure into two parts using one straight line, you can then arrange the two pieces to make a square.

How would you do it?



Shape words

Use the letters in the shape to discover the hidden message.



Shadows

Name the animals whose silhouettes are shown below. To help you their names are jumbled in the box. Write them correctly under each shadow.

fxo lyfngi

libby

cootakco

arhks

playstup

hidecan

gonakrao

ume

mwbtao

okala

















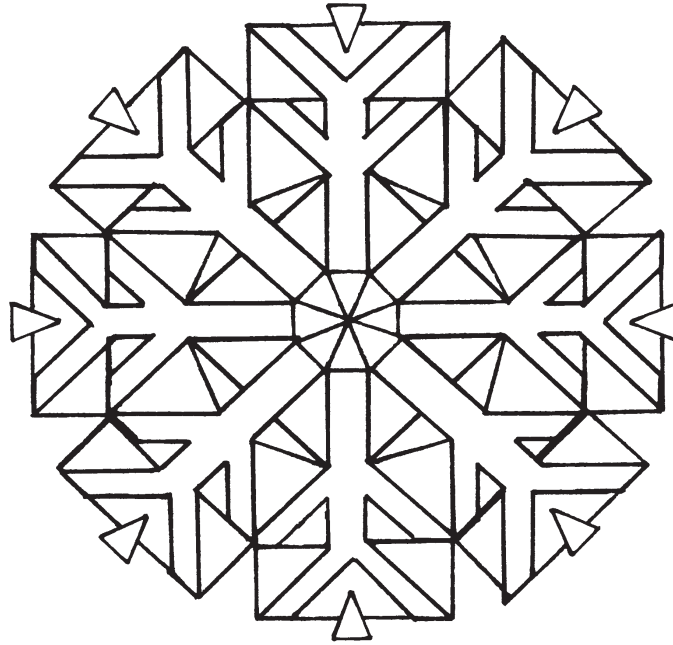






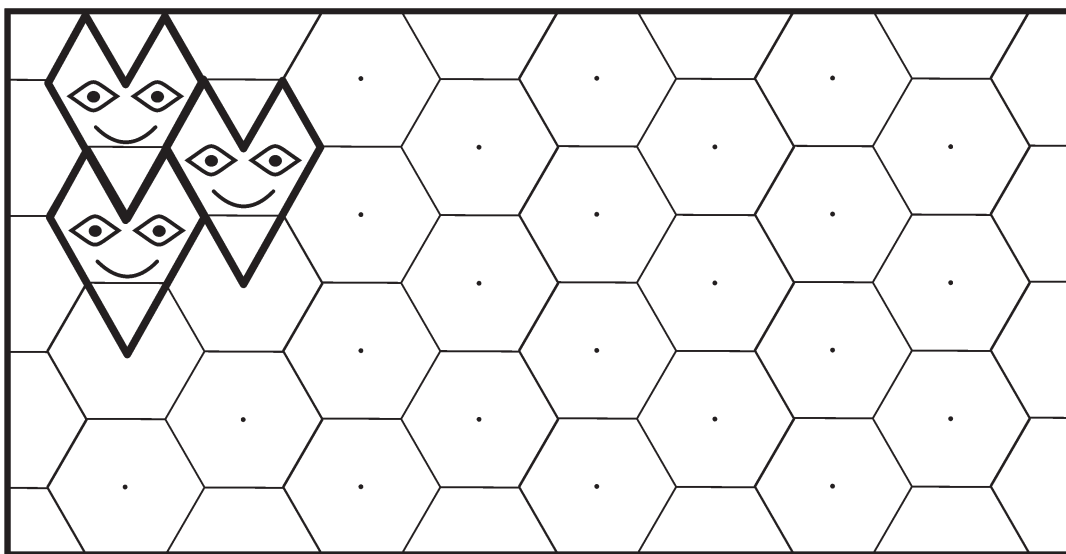
Tricky triangles

Colour in the triangles to form a pattern. There is no right or wrong way.



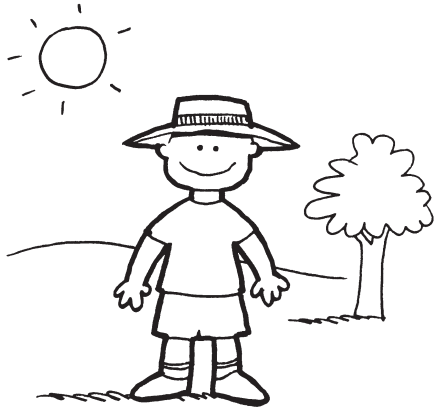
Pattern making

Complete the patterns by filling the page.



Spot the error

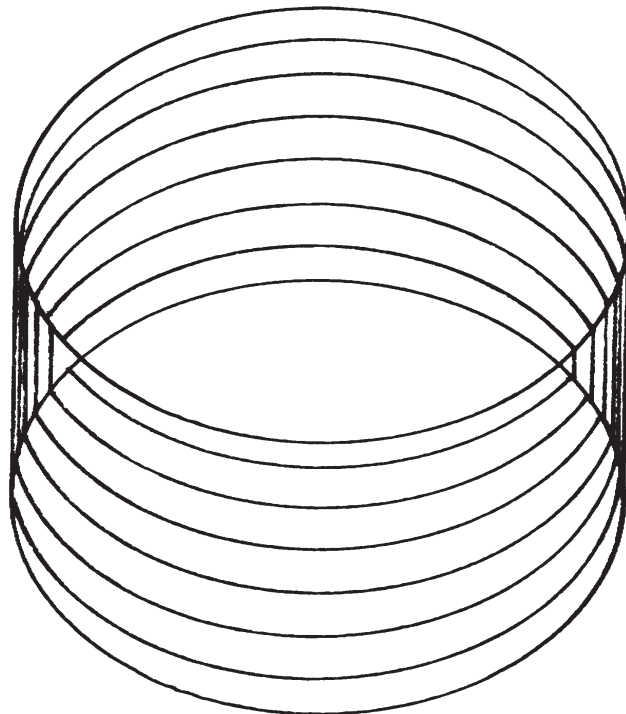
Can you find the mistake that has been made in each picture. Put a cross over each one.



A pipe dream

Are you looking through this pipe or down it? Colour this pipe so that it works one way or the other.

Design your own optical illusion. Use different coloured pencils to highlight certain aspects or use different shades from light to dark.



Answers

Shaping up

A3

B5

C2

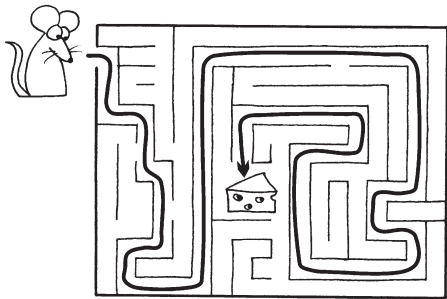
D1

E4

Look and think

B

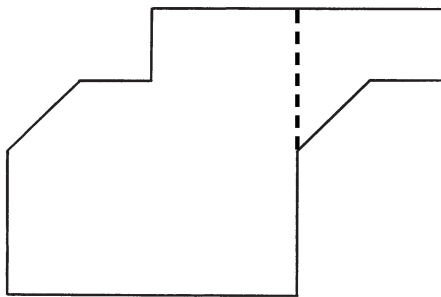
It will amaze you



Eye tricks

C

Squaring up



Shape words

A stitch in time saves nine.

A bird in the hand is worth two in the bush.

Shadows

flying fox

cockatoo

emu

platypus

echidna

kangaroo

wombat

shark

bilby

koala

Spot the error

The shadows are in the wrong direction.

The bicycle has only half a chain.