

6

WHAT DIFFERENT TYPES OF MACHINES ARE THERE?

1 Match to make true sentences.

a Machines

are made up of simple machines.

b Complex machines

have no moving parts or few moving parts.

c Simple machines

make work easier.

2 Identify the simple machines in the photos.



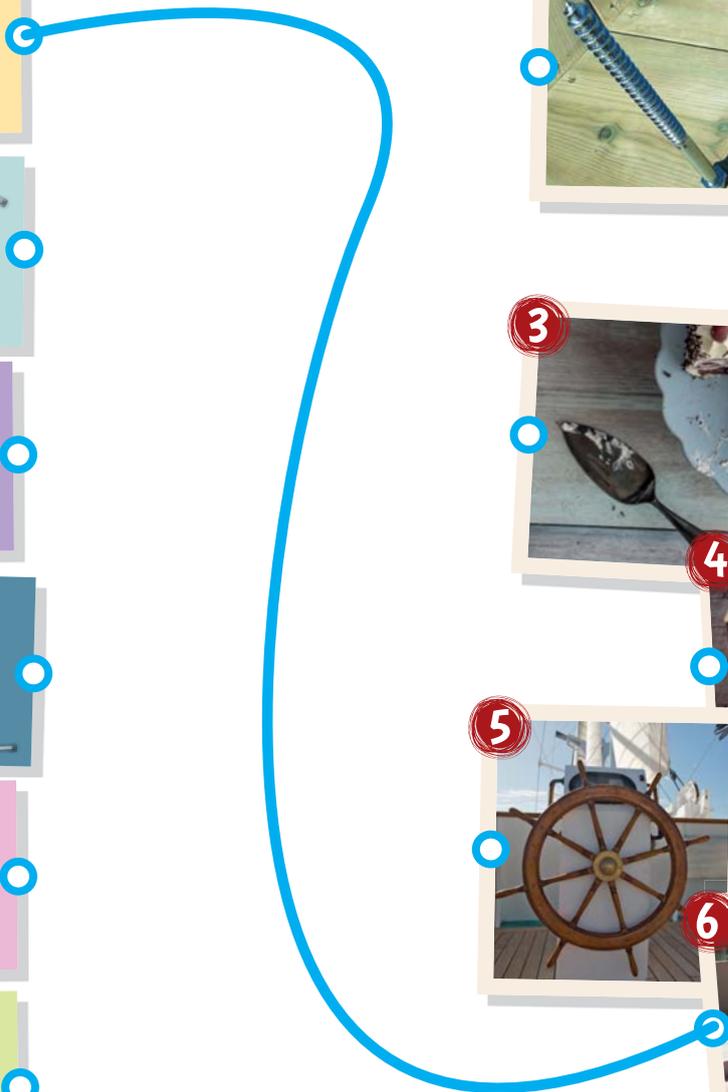
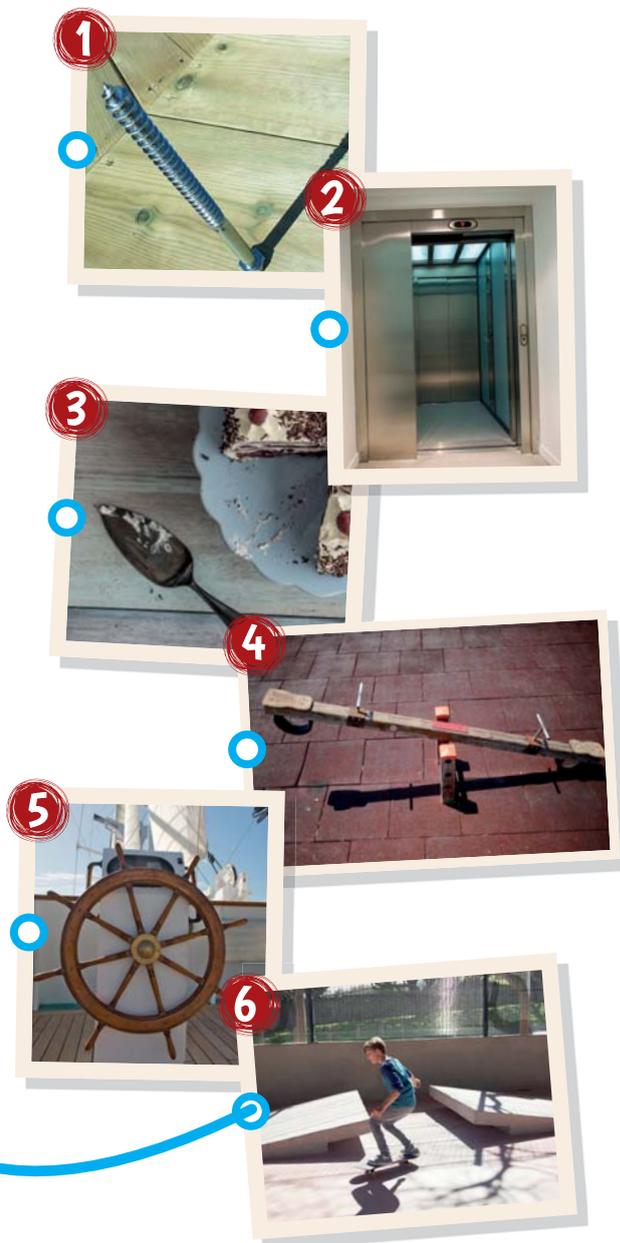
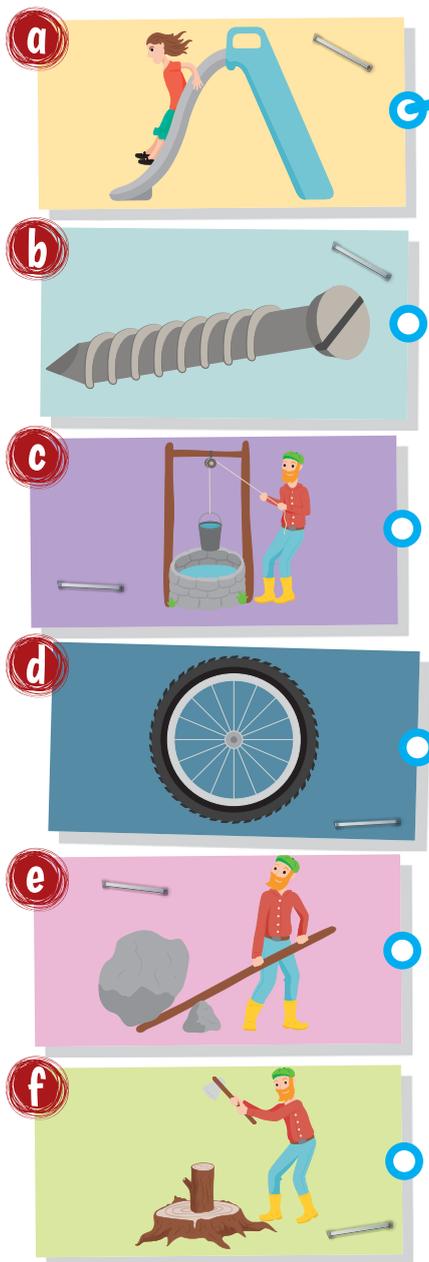
This is a pulley.



3 Complete each sentence with the correct simple machine.

- a A screw holds things together and also lifts objects.
- b A _____ is made up of a rigid bar and a support called a fulcrum.
- c A _____ has a slanted surface. We use it to cut things.
- d A _____ is made up of a rope and a wheel.
- e An _____ is a surface that goes from a low level to a high level.
- f A _____ is a wheel which turns around an axle.

4 Match each diagram to the correct real-life example.



5 Can you help these people? Which simple machine should they use?



1 Worker A needs wheels and axles to move the boxes across the ground.

2 Worker B needs _____

3 Worker C _____

4 Worker D _____

5 Worker E _____

6 Become a machine detective! Investigate simple machines at school.

There are simple machines all around us at school. Do not forget that complex machines are made up of simple machines.

How many simple machines can you find? Complete the chart below.



Drawing	Simple machines
	This is the slide in the playground. It is an inclined plane.

7 What do we use these complex machines for? Draw more examples.

transport communication entertainment housework



Four large empty rectangular boxes drawn with red lines, intended for drawing more examples of the machines shown above.

8 Match to make true sentences.

a The steam engine powered

circled coded messages across long distances.

b The telegraph sent

circled replaced by more efficient machines.

c Both of these machines have been

circled trains, ships and machines in factories.

9 Choose the correct words and write them on the lines.

- a This is a lever that children sit on to move up and down. You find it in a playground. seesaw
- b This machine is made up of a lever and a wedge. We use it for digging. _____
- c This contains a wheel and axle. You find it in a playground. _____
- d This is an inclined plane that children use in a playground. _____
- e Before this was invented, people had to burn candles, gas or oil to see when it was dark. _____
- f This complex machine contains wheels and axles. We use it for transport. _____



10 Look at the photo and read the story. Write words to complete the sentences about the story. You can use 1, 2, 3 or 4 words.

My name is Dan and I go to school with my friends Pam and Esther. One day, we were on our way home from school when we saw my brother Paul in the playground. He was on the seesaw with his friend. They were moving up and down.

We all went on the roundabout together. We went so fast that when we got off and got on our bikes, we all fell over because we were so dizzy.



- a In the playground, Dan and his friends went on the _____.
- b Dan's friends are called _____.
- c When Dan arrived at the playground his _____ on the seesaw.
- d They all fell off their bikes because they _____.