6 Work in pairs. Follow the instructions and answer the questions.

Close your fist and hold your arm out straight in front of you.

- Think of your wrist. (Don't move it). How many directions can it move in? One, two, three or four?
- Think of your shoulder. (Don't move it). How many directions can it move in? One, two, three or four?
- Think of your elbow. (Don't move it). How many directions can it move in? One, two, three or four?

7 Read the text. Check your answers to 6. Reading



different directions. The arm has three pivots: the wrist, the elbow and the shoulder. The wrist can move in three different directions. and down about 90°, it can move from side to side about 70°, and it

The human arm can move in seven can rotate about 180°. The shoulder can move in the same three directions, but different angles. It can rotate about 20°. The elbow can only move in one direction. At the wrist, the hand can move up At the elbow, the forearm can only move up and down. It cannot move sideways or rotate.

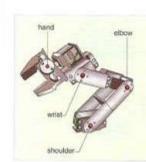
8 Match each movement in the diagram in 7 with a word or phrase from the box.

rotate move sideways move up and down

Listening

- 9 6 26 Listen and choose the correct answers.
 - b) 90°
- 3 a) 17° b) 70°
- 2 a) 14° b) 40°
- 4 a) 118° b) 180"
- Task 10 Work in groups. Look at the diagram in 11 and answer these questions.
 - 1 How many directions can this robot arm move?
 - 2 Which part of the robot arm has different movements from the human arm. Is it: a) the shoulder? b) the wrist? c) the elbow?
- Language 11 Complete the text about the robot arm with the words in the box.

can can't has is isn't



This robot arm (1) ___ ___ like a human arm. It (2) _ 'shoulder'. like the human wrist. It (4) ____ The 'wrist' (3) _ three movements. It (5) ____ __ rotate. It (6) _____ move from side to side. It (7) _____ move up and down. The 'elbow' (8) _____ like the human elbow. It (9) ____ one movement. It _ move up and down. The 'shoulder' (11) like the human shoulder, because it only (12) movements it (13) movements. It (13) _ rotate, and it (14) _____ move up and down. But it (15) _____ move sideways.