

Grammar defining and non-defining relative clauses

- 4 Choose the correct relative pronouns. If it is possible to omit the pronoun, choose (-). Sometimes more than one answer is possible.
- The talk about intelligent machines that Jack gave was really interesting.
a who b that c (-)
 - I met a woman _____ had taken a driverless car for a test drive.
a - b who c which
 - Robots are machines _____ have a form of artificial intelligence.
a that b - c which
 - I have an artificial hand, _____ I've had since a childhood accident.
a - b which c that
 - The title of the book _____ I'm reading is *I, Robot* by Isaac Asimov.
a that b - c who
 - Jenny is the girl _____ car was in an accident.
a whose b that c who
- 5 Complete the sentences in the fact file about robots with *who*, *which* or *that*. Add (-) to show that the relative pronoun can be omitted.

Robots – the essential facts!

- The word *robot* was first used in 1920 in a play by the Czech writer Karel Čapek. ^a who wrote science fiction. It comes from *robota*, a Czech word ^b _____ means 'hard work'.
- The first robot ^a _____ you could programme to perform useful tasks was *Unimate*. ^b _____ was invented by George Devol in 1954. He sold it to General Motors, an American car company ^c _____ used the robot to lift hot pieces of metal.
- In the 1990s, robots started exploring dangerous places. A robot called *Dante*, ^a _____ was controlled by experts in the United States, went inside the Erebus volcano in Antarctica; and the *Sojourner* rover, ^b _____ was designed by the National Aeronautics and Space Administration (NASA), went to Mars.
- The *Roomba* is the first really successful robotic vacuum cleaner. Its makers have sold over eight million of them. People ^a _____ I know ^b _____ hate doing housework just love this machine.
- In 2012, a robot ^a _____ was able to move its arms, hands and fingers in exactly the same way as a human became the first robot in space. The 'robonaut', ^b _____ was developed by NASA, can perform dangerous tasks ^c _____ people can't do.