



Robot Riddles



30 riddles from easy to tricky. Write your answer on the line. Answers are on the last page.

Easy riddles ★

- 1 I roll around your floor all by myself, bump gently into chairs, gobble up crumbs and dust, and drive back to my dock when I'm tired. What am I?

ANSWER _____

- 2 A robot stays perfectly still until you put me inside. When I run out, you have to charge me or swap me. What am I?

ANSWER _____

- 3 I'm a robot's eyes, ears and fingertips. I tell it how far away the wall is, how bright the room is, or whether it just bumped into something. What am I?

ANSWER _____

- 4 Press my buttons from across the room and the toy car zooms forward, turns and stops. What am I?

ANSWER _____

- 5 In a factory, I build cars all day long. I bend at my shoulder, elbow and wrist, but I have no body, no legs and no head. What am I?

ANSWER _____

- 6 I drive across Mars on six wheels, take photos and study rocks, and nobody is sitting inside me. What am I?

ANSWER _____

- 7 I spin when electricity flows through me, and my spinning turns a robot's wheels. What am I?

ANSWER _____

- 8 I'm a robot's hand, but I often have only two or three fingers. I open, close and pinch to pick things up. What am I?

ANSWER _____

- 9 Why did the robot go on vacation?

ANSWER _____

- 10 What's a robot's favorite snack?

ANSWER _____

Medium riddles ★★

- 11 I'm a mistake hiding in a computer program. I'm named after a creepy-crawly, and in 1947 engineers really did find a moth stuck inside one of their computers. What am I?
ANSWER _____
- 12 I tell a robot to do the same thing again and again, until something tells it to stop. What am I?
ANSWER _____
- 13 I'm a list of clear steps, in the right order, for solving a problem. A recipe for pancakes is one of me. What am I?
ANSWER _____
- 14 I'm a way of counting with only two digits, 0 and 1. Every photo, song and game on a computer is stored using me. What am I?
ANSWER _____
- 15 I'm a fork in the road for computer code. If something is true, the program goes one way. Otherwise, it goes the other way. What am I?
ANSWER _____
- 16 I let a robot eat sunshine. Some Mars rovers used me to charge their batteries every day. What am I?
ANSWER _____
- 17 I can steer, brake and park with nobody's hands on the wheel. I use cameras, radar and sensors to watch the road. What am I?
ANSWER _____
- 18 I'm a flying robot, usually with four spinning propellers, and I can take pictures from high in the sky. What am I?
ANSWER _____
- 19 I'm a robot built in the shape of a person, with a head, two arms and two legs. What kind of robot am I?
ANSWER _____
- 20 I'm a robot without a body. I answer questions in a little text box on websites, and I never get tired of typing. What am I?
ANSWER _____

Tricky riddles ★★★

- 21 A robot is facing east. It turns left, then turns all the way around, then turns left again. Which way is it facing now?
ANSWER _____
- 22 In binary, what number is written as 101?
ANSWER _____

23 If 5 robots build 5 toy cars in 5 minutes, how long do 100 robots take to build 100 toy cars?

ANSWER _____

24 A robot counts from 1 to 100. For every number divisible by 3 it says "Fizz," for every number divisible by 5 it says "Buzz," and for numbers divisible by both it says "FizzBuzz." How many times does it say "FizzBuzz"?

ANSWER _____

25 Where was the very first "robot" born: in a science lab, in a factory, or in a theater?

ANSWER _____

26 I'm a test named after a codebreaking mathematician. A computer passes me if, chatting only by text, it can convince a person that it's human. What am I?

ANSWER _____

27 A science-fiction writer named Isaac Asimov invented three laws for robots. What does the first one say?

ANSWER _____

28 A robot in a square room follows one rule forever: "Drive forward until you hit a wall, then turn left." After its first trip to a wall, what path does it trace?

ANSWER _____

29 I'm a little test on websites that asks you to click on every square with a traffic light in it, just to prove you're not a robot. What am I?

ANSWER _____

30 Two robots start at opposite ends of a 100-meter hallway and roll straight toward each other. One rolls 3 meters per second and the other 2 meters per second. How many seconds until they meet?

ANSWER _____

Answers

Robot Riddles · answer key · print or fold this page away before you hand out the sheet

1. A robot vacuum
2. A battery
3. A sensor
4. A remote control
5. A robotic arm
6. A Mars rover
7. An electric motor
8. A gripper (a robot claw)
9. It needed to recharge its batteries.
10. Computer chips
11. A bug
12. A loop
13. An algorithm
14. Binary
15. An if statement (a conditional)
16. A solar panel
17. A self-driving car
18. A drone
19. A humanoid robot
20. A chatbot
21. East. A left turn from east faces north, turning around faces south, and a left turn from south faces east again.
22. 5. One 4, no 2s and one 1.
23. 5 minutes. Each robot builds one car in 5 minutes, and all 100 robots work at the same time.
24. 6. A number divisible by both 3 and 5 is divisible by 15: 15, 30, 45, 60, 75 and 90. (Programmers use this exact puzzle as a coding test.)
25. In a theater. The word "robot" comes from a 1920 Czech play by Karel Čapek, from the Czech word "robota", meaning forced labor.
26. The Turing test
27. A robot must not hurt a human, or let a human come to harm by doing nothing.
28. A square around the edge of the room, lap after lap. It's an infinite loop.
29. A CAPTCHA
30. 20 seconds. Together they close $3 + 2 = 5$ meters every second, and $100 \div 5 = 20$.

Need a hint? Every riddle has one at riddlepedia.com/robot-riddles/, where you can also play them as a game.