Robot Measurement Adventures: Help Our Metal Friends Measure Their World

Math   Grade 2   Robots Theme

🤖 Help Rodney, Bigweld, and their robot friends solve measurement mysteries by finding the right lengths, heights, and distances!

NAME
_____

DATE
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SCORE
_____ / 8

1

Rodney the robot is building a new arm at Bigweld Industries. His first piece is 12 inches long and his second piece is 8 inches long. If he puts them together end to end, how many inches long will his new arm be?

2

Cappy, the chairbot, needs to measure the height of a tall factory door. She measures it and finds it is 36 inches tall. Rodney wants to know how tall that is in feet. Help him convert: how many feet tall is the door? (Hint: 12 inches = 1 foot)

3

Fender the robot is painting a stripe across the factory floor. He paints 15 inches in the morning and 24 inches in the afternoon. What is the total length of the stripe Fender painted?

4

Aunt Fan is a large robot who needs new roller skates. Each skate is 10 inches long. If both skates are placed in a line, how many inches long would the line be?

5

Bigweld's desk is 48 inches wide. Rodney's new workbench is 36 inches wide. How many more inches wide is Bigweld's desk than Rodney's workbench?

6

Piper the robot friend is measuring the conveyor belt at the factory. It measures 60 inches long. She walks along it and covers 25 inches. How many inches of the conveyor belt are still ahead of her?

7

Rodney stacks three metal boxes in the storage room. The first box is 8 inches tall, the second is 10 inches tall, and the third is 7 inches tall. What is the total height of all three boxes stacked together?

8

The robot repair shop has a wire that is 50 inches long. Bigweld uses 18 inches of wire to fix a robot's arm. How many inches of wire are left over?

Answer Key

1

Rodney the robot is building a new arm at Bigweld Industries. His first piece is 12 inches long and his second piece is 8 inches long. If he puts them together end to end, how many inches long will his new arm be?

ANSWER

20 inches

2

Cappy, the chairbot, needs to measure the height of a tall factory door. She measures it and finds it is 36 inches tall. Rodney wants to know how tall that is in feet. Help him convert: how many feet tall is the door? (Hint: 12 inches = 1 foot)

ANSWER

3 feet

3

Fender the robot is painting a stripe across the factory floor. He paints 15 inches in the morning and 24 inches in the afternoon. What is the total length of the stripe Fender painted?

ANSWER

39 inches

4

Aunt Fan is a large robot who needs new roller skates. Each skate is 10 inches long. If both skates are placed in a line, how many inches long would the line be?

ANSWER

20 inches

5

Bigweld's desk is 48 inches wide. Rodney's new workbench is 36 inches wide. How many more inches wide is Bigweld's desk than Rodney's workbench?

ANSWER

12 inches

6

Piper the robot friend is measuring the conveyor belt at the factory. It measures 60 inches long. She walks along it and covers 25 inches. How many inches of the conveyor belt are still ahead of her?

ANSWER

35 inches

7

Rodney stacks three metal boxes in the storage room. The first box is 8 inches tall, the second is 10 inches tall, and the third is 7 inches tall. What is the total height of all three boxes stacked together?

ANSWER

25 inches

8

The robot repair shop has a wire that is 50 inches long. Bigweld uses 18 inches of wire to fix a robot's arm. How many inches of wire are left over?

ANSWER

32 inches