Robot Adventures: Calculating Perimeters Around Robot City

Math · **Grade 3** · **Robots Theme**

🤖 **Help Rodney and his robot friends measure the perimeters of their favorite Robot City locations by adding up all the sides!**

NAME _____

DATE _____

SCORE _____ / 8

1

Rodney Copperbottom is building a square dance floor for a robot party. Each side of the square is 8 feet long. What is the perimeter of the dance floor?

2

Bigweld is constructing a rectangular garden where robots can grow oil-powered plants. The garden is 12 meters long and 5 meters wide. What is the perimeter of Bigweld's garden?

3

Cappy is designing a triangular warning zone around the dangerous Chop Shop. Each side of the triangle is 6 feet. What is the perimeter of the warning zone?

4

Fender and Piper are painting a rectangular wall in their apartment. The wall is 9 meters wide and 4 meters tall. They need to paint a border around the entire edge. What is the perimeter they need to paint?

5

Aunt Fanny is organizing a square obstacle course for robots to practice jumping. Each side of the square course is 7 feet. What is the total perimeter that robots must navigate around?

6

Diesel is creating a rectangular racing track for his robot car friends. The track is 15 meters long and 8 meters wide. What is the perimeter of the entire race track?

7

Mr. Grasiente needs to install a metal fence around his rectangular factory courtyard. The courtyard is 20 feet long and 10 feet wide. How much fencing does he need to go all the way around?

8

Lug is building a square sandbox where little robots can play. Each side of the sandbox is 5 feet long. What is the perimeter of the sandbox that Lug is building?

Answer Key

Math • Grade 3 • For Parents and Teachers

1

Rodney Copperbottom is building a square dance floor for a robot party. Each side of the square is 8 feet long. What is the perimeter of the dance floor?

ANSWER

32 feet

2

Bigweld is constructing a rectangular garden where robots can grow oil-powered plants. The garden is 12 meters long and 5 meters wide. What is the perimeter of Bigweld's garden?

ANSWER

34 meters

3

Cappy is designing a triangular warning zone around the dangerous Chop Shop. Each side of the triangle is 6 feet. What is the perimeter of the warning zone?

ANSWER

18 feet

4

Fender and Piper are painting a rectangular wall in their apartment. The wall is 9 meters wide and 4 meters tall. They need to paint a border around the entire edge. What is the perimeter they need to paint?

ANSWER

26 meters

5

Aunt Fanny is organizing a square obstacle course for robots to practice jumping. Each side of the square course is 7 feet. What is the total perimeter that robots must navigate around?

ANSWER

28 feet

6

Diesel is creating a rectangular racing track for his robot car friends. The track is 15 meters long and 8 meters wide. What is the perimeter of the entire race track?

ANSWER

46 meters

7

Mr. Grasiente needs to install a metal fence around his rectangular factory courtyard. The courtyard is 20 feet long and 10 feet wide. How much fencing does he need to go all the way around?

ANSWER

60 feet

8

Lug is building a square sandbox where little robots can play. Each side of the sandbox is 5 feet long. What is the perimeter of the sandbox that Lug is building?

ANSWER

20 feet