

Digital Detectives: Perimeter Quest in Techlandia

Math

Grade 3

Technology Theme

Help our Tech heroes solve perimeter problems as they explore the amazing world of Techlandia!

NAME _____

DATE _____

SCORE _____ / 8

1

Pixel the Robot is building a rectangular garden for solar panels in the Digital Forest. The garden is 8 meters long and 5 meters wide. What is the perimeter of Pixel's garden so she knows how much fencing to order?

2

Code the AI is designing a square server room at the Cloud Castle. Each side of the square room is 6 meters long. What is the perimeter of Code's server room?

3

Widget the Robot is creating a rectangular data center that is 12 meters long and 7 meters wide. Widget needs to run protective cables around the entire perimeter. How many meters of cable does Widget need?

4

Spark the AI is planning a square gaming arena in Video Valley where sides measure 9 meters each. Spark wants to install LED lights around the entire border. What is the perimeter of the gaming arena?

5

Byte the Robot is laying out a rectangular charging station at the Tech Hub. It measures 10 meters on one side and 4 meters on another side. What is the total perimeter that Byte needs to secure with safety barriers?

6

Echo the AI is designing a square rooftop helipad for drone deliveries. Each side of the helipad is 11 meters long. What is the perimeter Echo must mark with safety paint?

7

Circuit the Robot is building a rectangular swimming pool at the Tech Resort where swimmers can cool off. The pool is 15 meters long and 8 meters wide. What is the perimeter of the pool where Circuit needs to install slip-resistant tiles?

8

Logic the AI is creating a square outdoor amphitheater for tech conferences. Each side measures 13 meters. What is the perimeter where Logic will place decorative railings?

Answer Key

Math

Grade 3

For Parents and Teachers

1

Pixel the Robot is building a rectangular garden for solar panels in the Digital Forest. The garden is 8 meters long and 5 meters wide. What is the perimeter of Pixel's garden so she knows how much fencing to order?

ANSWER

26 meters

2

Code the AI is designing a square server room at the Cloud Castle. Each side of the square room is 6 meters long. What is the perimeter of Code's server room?

ANSWER

24 meters

3

Widget the Robot is creating a rectangular data center that is 12 meters long and 7 meters wide. Widget needs to run protective cables around the entire perimeter. How many meters of cable does Widget need?

ANSWER

38 meters

4

Spark the AI is planning a square gaming arena in Video Valley where sides measure 9 meters each. Spark wants to install LED lights around the entire border. What is the perimeter of the gaming arena?

ANSWER

36 meters

5

Byte the Robot is laying out a rectangular charging station at the Tech Hub. It measures 10 meters on one side and 4 meters on another side. What is the total perimeter that Byte needs to secure with safety barriers?

ANSWER

28 meters

6

Echo the AI is designing a square rooftop helipad for drone deliveries. Each side of the helipad is 11 meters long. What is the perimeter Echo must mark with safety paint?

ANSWER

44 meters

7

Circuit the Robot is building a rectangular swimming pool at the Tech Resort where swimmers can cool off. The pool is 15 meters long and 8 meters wide. What is the perimeter of the pool where Circuit needs to install slip-resistant tiles?

ANSWER

46 meters

8

Logic the AI is creating a square outdoor amphitheater for tech conferences. Each side measures 13 meters. What is the perimeter where Logic will place decorative railings?

ANSWER

52 meters

