Tech Heroes' Area Adventure: Saving the Digital Kingdom

Math   Grade 3   Technology Theme

Help your favorite Tech Heroes calculate areas as they explore the Digital Kingdom and complete their daring missions!

NAME _____   DATE _____   SCORE _____ / 8

1

Byte the Robot is building a new solar panel farm on the Cloud Platform to power the entire Digital Kingdom. The rectangular farm measures 7 meters long and 5 meters wide. What is the total area of Byte's solar panel farm?

2

Pixel the Hacker just discovered a secret room in the Data Castle shaped like a rectangle. She measures the walls and finds the room is 9 meters long and 4 meters wide. Calculate the area of this mysterious discovery room.

3

Circuit the Code Master is designing a new gaming arena in the Virtual Reality Zone. The arena's floor is rectangular and measures 8 meters by 6 meters. What area must Circuit program for the arena floor?

4

Spark the AI Assistant is creating a garden of rare digital flowers in the Tech Forest. The garden plot is shaped like a rectangle measuring 10 meters long and 3 meters wide. How much area does Spark need to plant all the digital flowers?

5

Blip the Game Designer is building a new landing pad for cyber drones at the Server Station. The rectangular pad measures 12 meters long and 5 meters wide. What is the total area of the drone landing pad?

6

Echo the Sound Engineer needs to install sound-proof panels in the Recording Studio inside the Tech Tower. The studio is rectangular with dimensions of 6 meters by 9 meters. Calculate the area that needs sound-proof coverage.

7

Nexus the Network Guardian is laying down protective shield tiles across the Server Room floor. The rectangular room measures 11 meters long and 4 meters wide. What is the total area Nexus must cover with protective tiles?

8

Glow the Light Programmer is installing LED lighting panels across the ceiling of the Innovation Lab. The rectangular ceiling measures 7 meters by 8 meters. How much ceiling area needs the new LED lighting system?

Answer Key

1

Byte the Robot is building a new solar panel farm on the Cloud Platform to power the entire Digital Kingdom. The rectangular farm measures 7 meters long and 5 meters wide. What is the total area of Byte's solar panel farm?

ANSWER

35 square meters

2

Pixel the Hacker just discovered a secret room in the Data Castle shaped like a rectangle. She measures the walls and finds the room is 9 meters long and 4 meters wide. Calculate the area of this mysterious discovery room.

ANSWER

36 square meters

3

Circuit the Code Master is designing a new gaming arena in the Virtual Reality Zone. The arena's floor is rectangular and measures 8 meters by 6 meters. What area must Circuit program for the arena floor?

ANSWER

48 square meters

4

Spark the AI Assistant is creating a garden of rare digital flowers in the Tech Forest. The garden plot is shaped like a rectangle measuring 10 meters long and 3 meters wide. How much area does Spark need to plant all the digital flowers?

ANSWER

30 square meters

5

Blip the Game Designer is building a new landing pad for cyber drones at the Server Station. The rectangular pad measures 12 meters long and 5 meters wide. What is the total area of the drone landing pad?

ANSWER

60 square meters

6

Echo the Sound Engineer needs to install sound-proof panels in the Recording Studio inside the Tech Tower. The studio is rectangular with dimensions of 6 meters by 9 meters. Calculate the area that needs sound-proof coverage.

ANSWER

54 square meters

7

Nexus the Network Guardian is laying down protective shield tiles across the Server Room floor. The rectangular room measures 11 meters long and 4 meters wide. What is the total area Nexus must cover with protective tiles?

ANSWER

44 square meters

8

Glow the Light Programmer is installing LED lighting panels across the ceiling of the Innovation Lab. The rectangular ceiling measures 7 meters by 8 meters. How much ceiling area needs the new LED lighting system?

ANSWER

56 square meters