

# Cosmic Perimeter Adventures: A Space Explorer's Quest

Math

Grade 3

Space Theme

Help brave space explorers measure the edges of their cosmic discoveries by calculating perimeters like a true astronaut!

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SCORE \_\_\_\_\_ / 8

1

Astronaut Zara is building a rectangular garden on Mars to grow alien vegetables. The garden is 8 meters long and 5 meters wide. She needs to build a fence around the entire garden to keep out Martian bugs. What is the perimeter of Zara's garden?

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2

Captain Nova discovered a square-shaped alien artifact on the moon. Each side of the artifact measures 7 feet. Nova needs to wrap a protective laser beam around the entire artifact to preserve it. What is the perimeter of the artifact?

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3

Young space cadet Cosmo found a rectangular spaceship window that needs a special anti-meteor border. The window is 9 inches long and 4 inches wide. What is the perimeter of Cosmo's window?

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4

On Planet Zephyr, Explorer Stella discovered a square landing pad where her spacecraft touched down. Each side of the pad is 12 meters long. Stella needs to mark the boundary with glowing space rocks. What is the perimeter of the landing pad?

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5

Pilot Max is designing a rectangular observation deck on his space station. The deck measures 15 feet long and 6 feet wide. He wants to install railings around the entire perimeter to keep astronauts safe. What is the perimeter of the observation deck?

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6

Space explorer Rex found a rectangular crystal formation in an asteroid cave. The crystal is 11 centimeters long and 3 centimeters wide. Rex needs to measure the perimeter to calculate how much protective gel to apply around it. What is the perimeter of the crystal?

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7

Commander Aurora is creating a square oxygen garden on a space station where plants grow in zero gravity. Each side of the square garden is 8 feet. She needs to install a containment field around the entire garden. What is the perimeter of Aurora's space garden?

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8

Scientist Orion discovered a rectangular meteor sample that measures 20 inches long and 5 inches wide. He must document the perimeter for the Galactic Museum's records. What is the perimeter of the meteor sample?

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# Answer Key

Math

Grade 3

For Parents and Teachers

1

Astronaut Zara is building a rectangular garden on Mars to grow alien vegetables. The garden is 8 meters long and 5 meters wide. She needs to build a fence around the entire garden to keep out Martian bugs. What is the perimeter of Zara's garden?

ANSWER

26 meters

2

Captain Nova discovered a square-shaped alien artifact on the moon. Each side of the artifact measures 7 feet. Nova needs to wrap a protective laser beam around the entire artifact to preserve it. What is the perimeter of the artifact?

ANSWER

28 feet

3

Young space cadet Cosmo found a rectangular spaceship window that needs a special anti-meteor border. The window is 9 inches long and 4 inches wide. What is the perimeter of Cosmo's window?

ANSWER

26 inches

4

On Planet Zephyr, Explorer Stella discovered a square landing pad where her spacecraft touched down. Each side of the pad is 12 meters long. Stella needs to mark the boundary with glowing space rocks. What is the perimeter of the landing pad?

ANSWER

48 meters

5

Pilot Max is designing a rectangular observation deck on his space station. The deck measures 15 feet long and 6 feet wide. He wants to install railings around the entire perimeter to keep astronauts safe. What is the perimeter of the observation deck?

ANSWER

42 feet

6

Space explorer Rex found a rectangular crystal formation in an asteroid cave. The crystal is 11 centimeters long and 3 centimeters wide. Rex needs to measure the perimeter to calculate how much protective gel to apply around it. What is the perimeter of the crystal?

ANSWER

28 centimeters

7

Commander Aurora is creating a square oxygen garden on a space station where plants grow in zero gravity. Each side of the square garden is 8 feet. She needs to install a containment field around the entire garden. What is the perimeter of Aurora's space garden?

ANSWER

32 feet

8

Scientist Orion discovered a rectangular meteor sample that measures 20 inches long and 5 inches wide. He must document the perimeter for the Galactic Museum's records. What is the perimeter of the meteor sample?

ANSWER

50 inches