

Cosmic Area Adventures: Measuring Space with Astronauts and Aliens

Math

Grade 3

Space Theme

Help your Space explorer friends measure their planetary bases and spacecraft by finding the area of their rectangular spaces!

NAME _____

DATE _____

SCORE _____ / 8

1

Captain Zara is building a rectangular landing pad on Mars for her spaceship. The pad is 5 meters long and 4 meters wide. What is the area of her landing pad?

2

An alien named Blip is creating a garden on the Moon to grow Moon carrots. The garden is a rectangle that measures 6 meters by 3 meters. What is the total area of Blip's Moon garden?

3

Astronaut Jake discovers a rectangular crystal cave on Titan. The cave floor is 8 meters long and 2 meters wide. How much area does Jake need to explore in the crystal cave?

4

Princess Nova from Planet Glow is designing a rectangular dance floor for the Intergalactic Ball. It needs to be 7 meters long and 5 meters wide. What is the area of the dance floor?

5

Robot Rex is painting a rectangular solar panel array on a space station. The panel is 9 meters long and 4 meters wide. What is the area of the solar panels Rex is painting?

6

Comet the space dog needs a rectangular play area inside the space shuttle. Mission Control says it should be 6 meters by 6 meters. What is the area of Comet's play space?

7

Commander Stella is mapping out a rectangular observation deck on her space station. The deck measures 10 meters long and 3 meters wide. What is the total area of the observation deck?

8

Young scientist Orbit needs to cover a rectangular wall in his asteroid lab with special starlight panels. The wall is 8 meters long and 5 meters wide. What area of wall needs to be covered with panels?

Answer Key

Math

Grade 3

For Parents and Teachers

1

Captain Zara is building a rectangular landing pad on Mars for her spaceship. The pad is 5 meters long and 4 meters wide. What is the area of her landing pad?

ANSWER

20 square meters

2

An alien named Blip is creating a garden on the Moon to grow Moon carrots. The garden is a rectangle that measures 6 meters by 3 meters. What is the total area of Blip's Moon garden?

ANSWER

18 square meters

3

Astronaut Jake discovers a rectangular crystal cave on Titan. The cave floor is 8 meters long and 2 meters wide. How much area does Jake need to explore in the crystal cave?

ANSWER

16 square meters

4

Princess Nova from Planet Glow is designing a rectangular dance floor for the Intergalactic Ball. It needs to be 7 meters long and 5 meters wide. What is the area of the dance floor?

ANSWER

35 square meters

5

Robot Rex is painting a rectangular solar panel array on a space station. The panel is 9 meters long and 4 meters wide. What is the area of the solar panels Rex is painting?

ANSWER

36 square meters

6

Comet the space dog needs a rectangular play area inside the space shuttle. Mission Control says it should be 6 meters by 6 meters. What is the area of Comet's play space?

ANSWER

36 square meters

7

Commander Stella is mapping out a rectangular observation deck on her space station. The deck measures 10 meters long and 3 meters wide. What is the total area of the observation deck?

ANSWER

30 square meters

8

Young scientist Orbit needs to cover a rectangular wall in his asteroid lab with special starlight panels. The wall is 8 meters long and 5 meters wide. What area of wall needs to be covered with panels?

ANSWER

40 square meters