Cosmic Measurement Adventures: Help Space Explorers Measure the Universe

Math **Grade 2** **Space Theme**

 Help Astro the Robot and his friends measure distances, heights, and lengths across the galaxy by solving these measurement adventures!

NAME

DATE

SCORE

_____ / 8

1

Astro the Robot is building a rocket ship to visit Mars. He needs a metal rod that is 8 inches long for the nose cone and another rod that is 5 inches long for the tail fin. How many inches of metal rod does Astro need in total?

2

Captain Stella is exploring a new asteroid and finds a crystal tower. The tower is 12 inches tall. If she stacks two of these crystal towers on top of each other, how tall will the stack be?

3

Ziggy the alien is measuring the distance from his spaceship to a distant star. He takes 9 giant steps, and each step is 2 feet long. How many feet did Ziggy travel?

4

Lunar Lucy is decorating her moon base with a glowing rope. She uses 7 inches of rope on the walls and 6 inches of rope around the doorway. How many inches of rope did Lucy use altogether?

5

Orbit the space dog needs to walk around the space station to exercise. The space station is 20 feet long on one side and 15 feet long on another side. If Orbit walks along both sides, how many feet does he walk?

6

Comet the space explorer is measuring meteorite samples. One meteorite is 11 inches wide, and another is 4 inches wide. What is the difference in width between the two meteorites?

7

Solar Sam is building a telescope and needs it to be exactly 30 inches long. He has already built 18 inches of it. How many more inches does Solar Sam need to build to complete the telescope?

8

Nova the navigator is mapping three asteroid fields. The first field is 6 miles across, the second field is 5 miles across, and the third field is 4 miles across. What is the total distance across all three asteroid fields?

Answer Key

1

Astro the Robot is building a rocket ship to visit Mars. He needs a metal rod that is 8 inches long for the nose cone and another rod that is 5 inches long for the tail fin. How many inches of metal rod does Astro need in total?

ANSWER

13 inches

2

Captain Stella is exploring a new asteroid and finds a crystal tower. The tower is 12 inches tall. If she stacks two of these crystal towers on top of each other, how tall will the stack be?

ANSWER

24 inches

3

Ziggy the alien is measuring the distance from his spaceship to a distant star. He takes 9 giant steps, and each step is 2 feet long. How many feet did Ziggy travel?

ANSWER

18 feet

4

Lunar Lucy is decorating her moon base with a glowing rope. She uses 7 inches of rope on the walls and 6 inches of rope around the doorway. How many inches of rope did Lucy use altogether?

ANSWER

13 inches

5

Orbit the space dog needs to walk around the space station to exercise. The space station is 20 feet long on one side and 15 feet long on another side. If Orbit walks along both sides, how many feet does he walk?

ANSWER

35 feet

6

Comet the space explorer is measuring meteorite samples. One meteorite is 11 inches wide, and another is 4 inches wide. What is the difference in width between the two meteorites?

ANSWER

7 inches

7

Solar Sam is building a telescope and needs it to be exactly 30 inches long. He has already built 18 inches of it. How many more inches does Solar Sam need to build to complete the telescope?

ANSWER

12 inches

8

Nova the navigator is mapping three asteroid fields. The first field is 6 miles across, the second field is 5 miles across, and the third field is 4 miles across. What is the total distance across all three asteroid fields?

ANSWER

15 miles