

Decimal Adventures Across the Galaxy

Math

Grade 4

Space Theme

Help our space explorers solve decimal mysteries as they journey through the cosmos!

NAME _____

DATE _____

SCORE _____ / 8

1

Astronaut Luna is collecting moon rocks for her collection. She finds a rock that weighs 2.5 kilograms on Monday and another rock weighing 3.2 kilograms on Tuesday. How many kilograms of moon rocks does Luna have in total?

2

Captain Zax is piloting a spaceship through an asteroid field. His ship travels 4.8 light-years in the first week and 6.3 light-years in the second week. How many light-years did Captain Zax travel altogether?

3

Robot R-9 is organizing the space station's fuel supply. The oxygen tank holds 15.7 liters, but the captain uses 8.2 liters for an emergency spacewalk. How much oxygen is left in the tank?

4

Cosmo the alien is baking star cookies for the space station's celebration feast. The recipe calls for 2.6 cups of stardust flour, but Cosmo only has 1.4 cups. How many more cups of stardust flour does Cosmo need?

5

Explorer Nova discovers three ancient space crystals worth 5.3, 4.7, and 2.5 galactic credits. What is the total value of all three crystals?

6

Pilot Jet is racing against time to escape a meteor storm. His spaceship goes 9.9 kilometers in one direction, then 5.6 kilometers in another direction. What is the total distance Pilot Jet has traveled to escape?

7

Scientist Dr. Stellar measures the temperature on three different planets: Planet A is 23.8 degrees, Planet B is 17.4 degrees, and Planet C is 19.7 degrees. What is the combined temperature of all three planets?

8

Young Space Cadet Stella has 10.0 energy credits to spend at the space station store. She buys a communication device for 6.4 credits. How many energy credits does Stella have remaining?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Astronaut Luna is collecting moon rocks for her collection. She finds a rock that weighs 2.5 kilograms on Monday and another rock weighing 3.2 kilograms on Tuesday. How many kilograms of moon rocks does Luna have in total?

ANSWER

5.7 kilograms

2

Captain Zax is piloting a spaceship through an asteroid field. His ship travels 4.8 light-years in the first week and 6.3 light-years in the second week. How many light-years did Captain Zax travel altogether?

ANSWER

11.1 light-years

3

Robot R-9 is organizing the space station's fuel supply. The oxygen tank holds 15.7 liters, but the captain uses 8.2 liters for an emergency spacewalk. How much oxygen is left in the tank?

ANSWER

7.5 liters

4

Cosmo the alien is baking star cookies for the space station's celebration feast. The recipe calls for 2.6 cups of stardust flour, but Cosmo only has 1.4 cups. How many more cups of stardust flour does Cosmo need?

ANSWER

1.2 cups

5

Explorer Nova discovers three ancient space crystals worth 5.3, 4.7, and 2.5 galactic credits. What is the total value of all three crystals?

ANSWER

12.5 galactic credits

6

Pilot Jet is racing against time to escape a meteor storm. His spaceship goes 9.9 kilometers in one direction, then 5.6 kilometers in another direction. What is the total distance Pilot Jet has traveled to escape?

ANSWER

15.5 kilometers

7

Scientist Dr. Stellar measures the temperature on three different planets: Planet A is 23.8 degrees, Planet B is 17.4 degrees, and Planet C is 19.7 degrees. What is the combined temperature of all three planets?

ANSWER

60.9 degrees

8

Young Space Cadet Stella has 10.0 energy credits to spend at the space station store. She buys a communication device for 6.4 credits. How many energy credits does Stella have remaining?

ANSWER

3.6 energy credits

