

Robot City Decimal Adventures

Math

Grade 4

Robots Theme

Help the robots of Robot City solve decimal mysteries by working through these exciting math adventures!

NAME _____

DATE _____

SCORE _____ / 8

1

Rodney Copperbottom is building a new robot and needs to measure the height of its metal frame. The frame measures 3.5 feet tall, but Rodney needs to add a head that is 1.2 feet tall. How tall will the complete robot be?

2

Bigweld's factory has 8.6 gallons of robot oil. During the morning shift, the workers use 2.3 gallons to oil the machines. How much robot oil is left for the afternoon shift?

3

Fender the robot is collecting scrap metal pieces to recycle. He finds pieces that weigh 2.4 pounds, 1.8 pounds, and 3.2 pounds. What is the total weight of all the scrap metal Fender collected?

4

Cappy the robot conductor is organizing a shipment of robot parts. She has 15.7 pounds of gears to ship out. If she divides them equally into 2 boxes, how many pounds of gears go in each box?

5

Roz the slug robot is measuring the conveyor belt in her warehouse. The belt is 12.5 meters long. If Roz needs to install 4 identical belts in a row, what will be the total length when all belts are connected?

6

Wonderbot is painting robot decorations for the Robot City parade. She uses 0.6 liters of blue paint and 0.9 liters of red paint. How much total paint does Wonderbot use?

7

Aunt Fan the robot is calculating energy usage. Her power source provides 9.8 kilowatts of electricity. If the factory uses 3.5 kilowatts during peak hours, how much electricity is available for other equipment?

8

Tim the robot courier has 20 packages to deliver around Robot City. If each package weighs 2.5 kilograms, what is the total weight of all packages Tim must deliver?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Rodney Copperbottom is building a new robot and needs to measure the height of its metal frame. The frame measures 3.5 feet tall, but Rodney needs to add a head that is 1.2 feet tall. How tall will the complete robot be?

ANSWER

4.7 feet

2

Bigweld's factory has 8.6 gallons of robot oil. During the morning shift, the workers use 2.3 gallons to oil the machines. How much robot oil is left for the afternoon shift?

ANSWER

6.3 gallons

3

Fender the robot is collecting scrap metal pieces to recycle. He finds pieces that weigh 2.4 pounds, 1.8 pounds, and 3.2 pounds. What is the total weight of all the scrap metal Fender collected?

ANSWER

7.4 pounds

4

Cappy the robot conductor is organizing a shipment of robot parts. She has 15.7 pounds of gears to ship out. If she divides them equally into 2 boxes, how many pounds of gears go in each box?

ANSWER

7.85 pounds

5

Roz the slug robot is measuring the conveyor belt in her warehouse. The belt is 12.5 meters long. If Roz needs to install 4 identical belts in a row, what will be the total length when all belts are connected?

ANSWER

50 meters

6

Wonderbot is painting robot decorations for the Robot City parade. She uses 0.6 liters of blue paint and 0.9 liters of red paint. How much total paint does Wonderbot use?

ANSWER

1.5 liters

7

Aunt Fan the robot is calculating energy usage. Her power source provides 9.8 kilowatts of electricity. If the factory uses 3.5 kilowatts during peak hours, how much electricity is available for other equipment?

ANSWER

6.3 kilowatts

8

Tim the robot courier has 20 packages to deliver around Robot City. If each package weighs 2.5 kilograms, what is the total weight of all packages Tim must deliver?

ANSWER

50 kilograms