

Robot Adventures: Fraction Quest in Robot City

Math

Grade 4

Robots Theme

Help the robots solve these fraction problems on their exciting missions through Robot City!

NAME _____

DATE _____

SCORE _____ / 8

1

Rodney Copperbottom is building a new robot friend and needs to divide his box of 8 metal screws equally among 4 different robot parts. What fraction of the screws does each robot part get? Express your answer as a fraction.

2

Bigweld's factory has 12 energy crystals. He gives $\frac{1}{3}$ of them to Rodney for a special mission. How many energy crystals does Rodney receive?

3

Fender the robot is cleaning the factory and finds that $\frac{3}{6}$ of the conveyor belt is covered in rust, while $\frac{2}{6}$ is covered in grease. What fraction of the conveyor belt still needs cleaning?

4

Ratchet and Clank discover a treasure chest with 20 golden gears. Ratchet takes $\frac{1}{4}$ of the gears for himself. How many gears does Ratchet take?

5

The Rusty Robots Club is having a pizza party with 5 pizzas. Aunt Fan eats $\frac{2}{5}$ of one pizza while watching the robots play. How much pizza did Aunt Fan eat as a fraction of one whole pizza?

6

Rodney and Bigweld are painting the factory. Rodney paints $\frac{3}{8}$ of the wall, and Bigweld paints $\frac{4}{8}$ of the wall. What fraction of the wall have they painted together?

7

A robot delivery truck carries 24 spare parts. When it reaches the first stop, it drops off $\frac{1}{3}$ of the parts. How many parts does the truck have left?

8

During the big robot race, Rodney completes $\frac{5}{12}$ of the track in the first hour and $\frac{4}{12}$ of the track in the second hour. What fraction of the track has Rodney completed so far?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Rodney Copperbottom is building a new robot friend and needs to divide his box of 8 metal screws equally among 4 different robot parts. What fraction of the screws does each robot part get? Express your answer as a fraction.

ANSWER

2/8 or 1/4

2

Bigweld's factory has 12 energy crystals. He gives $\frac{1}{3}$ of them to Rodney for a special mission. How many energy crystals does Rodney receive?

ANSWER

4 energy crystals

3

Fender the robot is cleaning the factory and finds that $\frac{3}{6}$ of the conveyor belt is covered in rust, while $\frac{2}{6}$ is covered in grease. What fraction of the conveyor belt still needs cleaning?

ANSWER

1/6

4

Ratchet and Clank discover a treasure chest with 20 golden gears. Ratchet takes $\frac{1}{4}$ of the gears for himself. How many gears does Ratchet take?

ANSWER

5 gears

5

The Rusty Robots Club is having a pizza party with 5 pizzas. Aunt Fan eats $\frac{2}{5}$ of one pizza while watching the robots play. How much pizza did Aunt Fan eat as a fraction of one whole pizza?

ANSWER

2/5

6

Rodney and Bigweld are painting the factory. Rodney paints $\frac{3}{8}$ of the wall, and Bigweld paints $\frac{4}{8}$ of the wall. What fraction of the wall have they painted together?

ANSWER

7/8

7

A robot delivery truck carries 24 spare parts. When it reaches the first stop, it drops off $\frac{1}{3}$ of the parts. How many parts does the truck have left?

ANSWER

16 spare parts

8

During the big robot race, Rodney completes $\frac{5}{12}$ of the track in the first hour and $\frac{4}{12}$ of the track in the second hour. What fraction of the track has Rodney completed so far?

ANSWER

9/12 or 3/4