

Digital Decimal Adventures: Help Tech Heroes Save the Network!

Math

Grade 4

Technology Theme

Join Byte the Robot and Circuit the AI as they navigate decimal challenges across the digital world—solve each problem to keep the technology kingdom running smoothly!

NAME _____

DATE _____

SCORE _____ / 8

1

Byte the Robot is downloading files for a big mission. The first file is 2.5 gigabytes and the second file is 3.7 gigabytes. How many gigabytes total does Byte need to download to complete the mission?

2

Circuit the AI is organizing a coding competition and needs to split 8.4 minutes of video instructions equally between 4 different tutorial segments. How many minutes should each segment be?

3

A tech team is building a new server tower. The base platform weighs 5.8 pounds, and they need to add 3 identical cooling units that each weigh 1.5 pounds. What is the total weight of the base with all three cooling units?

4

Pixel the Programmer earned 12.75 digital coins for completing a software bug fix and 8.50 digital coins for optimizing code. How many digital coins did Pixel earn in total?

5

A wireless network signal travels 15.6 meters from the router to Byte's station, then 7.9 meters further to Circuit's station. What is the total distance the signal must travel to reach both characters?

6

The tech team's electricity bill is 124.80 dollars per month. If they've paid for 6 months of operation, how much have they spent on electricity in total?

7

Circuit discovers that a data transfer is moving at 45.5 megabytes per second. After 3 seconds of transfer, how many megabytes of data will have been moved?

8

Byte and Circuit are stocking their digital library. They have 20.75 storage units filled with software and need to add 9.50 more storage units for new applications. How many total storage units will they have?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Byte the Robot is downloading files for a big mission. The first file is 2.5 gigabytes and the second file is 3.7 gigabytes. How many gigabytes total does Byte need to download to complete the mission?

ANSWER

6.2 gigabytes

2

Circuit the AI is organizing a coding competition and needs to split 8.4 minutes of video instructions equally between 4 different tutorial segments. How many minutes should each segment be?

ANSWER

2.1 minutes

3

A tech team is building a new server tower. The base platform weighs 5.8 pounds, and they need to add 3 identical cooling units that each weigh 1.5 pounds. What is the total weight of the base with all three cooling units?

ANSWER

10.3 pounds

4

Pixel the Programmer earned 12.75 digital coins for completing a software bug fix and 8.50 digital coins for optimizing code. How many digital coins did Pixel earn in total?

ANSWER

21.25 digital coins

5

A wireless network signal travels 15.6 meters from the router to Byte's station, then 7.9 meters further to Circuit's station. What is the total distance the signal must travel to reach both characters?

ANSWER

23.5 meters

6

The tech team's electricity bill is 124.80 dollars per month. If they've paid for 6 months of operation, how much have they spent on electricity in total?

ANSWER

748.80 dollars

7

Circuit discovers that a data transfer is moving at 45.5 megabytes per second. After 3 seconds of transfer, how many megabytes of data will have been moved?

ANSWER

136.5 megabytes

8

Byte and Circuit are stocking their digital library. They have 20.75 storage units filled with software and need to add 9.50 more storage units for new applications. How many total storage units will they have?

ANSWER

30.25 storage units

