

Digital Adventurers: Word Problems in the Tech Kingdom

Math

Grade 4

Technology Theme

Help our Tech Kingdom heroes solve exciting adventures by working through each word problem like a true digital explorer!

NAME _____

DATE _____

SCORE _____ / 8

1

Captain Pixel, the brave robot explorer, discovers 3 ancient data crystals in the first cave. She finds 5 more crystals in the second cave, and 4 more in the third cave. How many data crystals does Captain Pixel have in total?

2

Code the Cyber Cat is organizing the Great Digital Library. She has 45 ancient scrolls of programming wisdom. If she arranges them into 5 equal stacks, how many scrolls will be in each stack?

3

Widget the Wireless Wonder needs to travel across the Binary Bridge to reach the Cloud Castle. The bridge is 56 meters long. If Widget travels 8 meters every second, how many seconds will it take to cross the entire bridge?

4

Echo the AI Assistant is collecting energy batteries to power the Tech Tower. Monday she collects 12 batteries, Wednesday she collects 18 batteries, and Friday she collects 15 batteries. How many batteries does Echo have after three days of collecting?

5

Byte the Binary Beast is building a mega-server using metal cubes. He uses 6 cubes for the bottom layer, 6 for the middle layer, and 6 for the top layer. If each cube weighs 8 pounds, what is the total weight of all the cubes?

6

Spark the Speed Demon downloads files at an amazing rate. In 1 hour, Spark downloads 72 files. If Spark works for 6 hours without stopping, how many files will be downloaded in total?

7

Luna the Lunar Satellite is orbiting the Digital Moon and observing 88 tiny tech stations below. If she groups them by region into 8 equal sections, how many stations are in each section?

8

Nexus the Network Node is connecting computers across the Cyber City. On Day 1, Nexus connects 14 computers. On Day 2, she connects 19 computers. On Day 3, she connects 17 computers. After three days of work, how many total computers has Nexus connected?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Captain Pixel, the brave robot explorer, discovers 3 ancient data crystals in the first cave. She finds 5 more crystals in the second cave, and 4 more in the third cave. How many data crystals does Captain Pixel have in total?

ANSWER

12

2

Code the Cyber Cat is organizing the Great Digital Library. She has 45 ancient scrolls of programming wisdom. If she arranges them into 5 equal stacks, how many scrolls will be in each stack?

ANSWER

9

3

Widget the Wireless Wonder needs to travel across the Binary Bridge to reach the Cloud Castle. The bridge is 56 meters long. If Widget travels 8 meters every second, how many seconds will it take to cross the entire bridge?

ANSWER

7

4

Echo the AI Assistant is collecting energy batteries to power the Tech Tower. Monday she collects 12 batteries, Wednesday she collects 18 batteries, and Friday she collects 15 batteries. How many batteries does Echo have after three days of collecting?

ANSWER

45

5

Byte the Binary Beast is building a mega-server using metal cubes. He uses 6 cubes for the bottom layer, 6 for the middle layer, and 6 for the top layer. If each cube weighs 8 pounds, what is the total weight of all the cubes?

ANSWER

144

6

Spark the Speed Demon downloads files at an amazing rate. In 1 hour, Spark downloads 72 files. If Spark works for 6 hours without stopping, how many files will be downloaded in total?

ANSWER

432

7

Luna the Lunar Satellite is orbiting the Digital Moon and observing 88 tiny tech stations below. If she groups them by region into 8 equal sections, how many stations are in each section?

ANSWER

11

8

Nexus the Network Node is connecting computers across the Cyber City. On Day 1, Nexus connects 14 computers. On Day 2, she connects 19 computers. On Day 3, she connects 17 computers. After three days of work, how many total computers has Nexus connected?

ANSWER

50