



Robot Workshop: Missing Addend Missions

Solve multi-step problems to help the robots complete their tasks!

Name: _____ Date: _____

1 POWER SUPPLY

Leo is charging his scout robot for a full-day mission. The robot requires 40 battery cells to operate, and Leo has already installed 3 packs with 8 cells in each pack. How many more battery cells does Leo need to insert to completely power the robot?

Work:

Answer: _____

2 ROBOT SOCCER

The Robo-Cats soccer team has a goal to score 50 total points this season. In their first tournament, they scored 4 goals worth 6 points each, and they earned 11 points in their second tournament. How many additional points must they score to reach their goal?

Work:

Answer: _____

3 RECYCLING BOT

Rusty the recycling bot needs 100 metal bolts to build a bridge. He collected 35 bolts on Monday and 4 boxes of 9 bolts each on Tuesday. How many more bolts does Rusty need to find to reach his total?

Work:

Answer: _____

4 SPACE EXPLORATION

A Mars rover needs to travel 80 meters to reach a dark crater. It drives at 5 meters per minute for 7 minutes, stops to snap pictures, and then drives 20 more meters. How many remaining meters must the rover travel to reach the crater?

Work:

Answer: _____

5 ASSEMBLY LINE

Maya is assembling 3 identical helper robots, and each robot needs 12 gears to function. She checks her tool tray and finds that she already has 18 gears. How many more gears does Maya need to collect to complete all 3 robots?

Work:

Answer: _____

6**MICROCHIP LAB**

The robotics lab needs a total of 90 microchips to upgrade its entire fleet. The lab just received 5 shipments of 12 microchips each, plus a single tray with 14 microchips. How many more microchips does the lab still need to reach 90?

Work:

Answer: _____

Answer Key

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1. Leo is charging his scout robot for a full-day mission. The robot requires 40 battery cells to operate, and Leo has already installed 3 packs with 8 cells in each pack. How many more battery cells does Leo need to insert to completely power the robot? **16**
2. The Robo-Cats soccer team has a goal to score 50 total points this season. In their first tournament, they scored 4 goals worth 6 points each, and they earned 11 points in their second tournament. How many additional points must they score to reach their goal? **15**
3. Rusty the recycling bot needs 100 metal bolts to build a bridge. He collected 35 bolts on Monday and 4 boxes of 9 bolts each on Tuesday. How many more bolts does Rusty need to find to reach his total? **29**
4. A Mars rover needs to travel 80 meters to reach a dark crater. It drives at 5 meters per minute for 7 minutes, stops to snap pictures, and then drives 20 more meters. How many remaining meters must the rover travel to reach the crater? **25**
5. Maya is assembling 3 identical helper robots, and each robot needs 12 gears to function. She checks her tool tray and finds that she already has 18 gears. How many more gears does Maya need to collect to complete all 3 robots? **18**
6. The robotics lab needs a total of 90 microchips to upgrade its entire fleet. The lab just received 5 shipments of 12 microchips each, plus a single tray with 14 microchips. How many more microchips does the lab still need to reach 90? **16**