

# MY Homework

## Lesson 4

### Problem Solving: Guess, Check, and Revise

## Homework Helper



Need help? [connectED.mcgraw-hill.com](http://connectED.mcgraw-hill.com)

An automobile museum has cars and motorcycles displayed. There are a total of 19 cars and motorcycles in the collection and a total of 64 tires. How many cars and motorcycles are in the collection?

### 1 Understand

What facts do you know?

- There are a total of 19 cars and motorcycles.
- There are a total of 64 tires.

What do you need to find?

- how many cars and motorcycles are in the collection

### 2 Plan

Guess, check, and revise to solve the problem.

### 3 Solve

Number of Cars	Number of Motorcycles	Number of Tires	Check
14	5	$(14 \times 4) + (5 \times 2) = 66$	too high
13	6	$(13 \times 4) + (6 \times 2) = 64$	correct

So, there are 13 cars and 6 motorcycles.

### 4 Check

Is my answer reasonable?

yes;  $52 \div 4 = 13$ ,  $12 \div 2 = 6$ , and  $13 + 6 = 19$ .



## Problem Solving


Guess, check, and revise to solve each problem.

1. A cabin has room for 7 campers and 2 counselors. How many cabins are needed for a total of 49 campers and 14 counselors?

---

2. Marcus is selling lemonade and peanuts. Each cup of lemonade costs \$0.75, and each bag of peanuts costs \$0.35. On Saturday, Marcus sold 5 more cups of lemonade than bags of peanuts. He earned \$7.05. How many cups of lemonade did Marcus sell on Saturday?

---

3. **Mathematical PRACTICE**  **Keep Trying** In a recent year, a letter to Europe from the United States costs \$0.94 to mail. A letter mailed within the United States costs \$0.44. Nancy mailed 5 letters for \$3.70, some to Europe and some to the United States. How many letters did she send to Europe?

---

4. Alma counts 26 legs in a barnyard with horses and chickens. If there are 8 animals, how many are horses?

---

5. A volleyball league organizer collected \$2,040 for both divisions of volleyball teams. The Blue division costs \$160 per team and the Red division costs \$180 per team. How many teams will play in each division?

---

---

Ready to practice?



Copyright © The McGraw-Hill Companies, Inc. Image Source/PunchStock