# MY Homework

**Lesson 8**

**Problem Solving:
Draw a Diagram**

## Homework Helper

eHelp

Need help? connectED.mcgraw-hill.com

**On the first day of an audition, 2,731 singers participated. On the second day of an audition, 4,327 singers participated. How many singers participated in all? Use a bar diagram to solve.**

## 1 Understand

**What facts do I know?**

There were 2,731 singers on the first day.

There were 4,327 singers on the second day.

**What do I need to find?**

Find how many singers there were in all.

## 2 Plan

I can draw a bar diagram and add to find the sum.

## 3 Solve

The diagram shows each part that is needed. Add to find the total.

| ?------ |
|------|------|
| **2,731** | **4,327** |

$$\begin{array}{r} 2{,}731 \\ +\ 4{,}327 \\ \hline 7{,}058 \end{array}$$

So, a total of 7,058 singers participated.

## 4 Check

**Does your answer make sense? Explain.**

2,731 rounds to 3,000. 4,327 rounds to 4,000. 3,000 + 4,000 = 7,000. 7,000 is close to the actual sum of 7,058. So, my answer makes sense.

## Problem Solving

**Solve each problem by drawing a diagram.**

1. Joseph has 3,124 pieces of paper in his classroom. Emily has 5,229 pieces of paper in her classroom. How many pieces of paper do they have in both classrooms?

2. Brayden sold 2,306 tickets for a school raffle. Connor sold 1,523 tickets for a school raffle. How many more tickets did Brayden sell than Connor?

3. On Saturday, 5,395 people visited a museum. On Sunday, 3,118 people visited a museum. How many people visited altogether on Saturday and Sunday?

My Work!

**Need more practice?** Download Extra Practice at **connectED.mcgraw-hill.com**