

MY Homework**Lesson 4****Problem Solving:
Draw a Diagram****Homework Helper**Need help? connectED.mcgraw-hill.com

Alisha is making a bracelet with 4 beads and 4 silver charms. Two of the beads are blue. The rest of the beads are green. What fraction of the bracelet is made up of green beads?

1 Understand**What facts do you know?**

Alisha has 4 beads and 4 charms.

Two of the beads are blue.

What do you need to find?

the fraction of the bracelet that is made up of green beads

2 Plan

Draw a diagram to solve the problem.

3 Solve

First, draw a figure divided into 8 equal parts.

Mark 4 of the parts S for silver charms.

Mark 2 of the parts B for blue beads.

S	S	B	B
S	S		

There are 2 parts not filled. Two parts out of 8 parts is $\frac{2}{8}$.

So, the green beads are $\frac{2}{8}$ of the bracelet.

4 Check**Does the answer make sense?**

Yes. 4 silver charms + 2 blue beads + 2 green beads = 8 parts.



Problem Solving 1–5. See students' diagrams.

Solve each problem by drawing a diagram.

1. Dalton ate 6 pieces of fruit on Monday. He ate 2 apples, 1 banana, 1 orange, and some apricots. What fraction of the fruit Dylan ate was apricots?


2

6

2. The Johnsons have 3 dogs. Two of the dogs have brown spots. The other dog has black spots. What fraction of the dogs has black spots?

1

3


3. **Mathematical PRACTICE**  **Model Math** Hannah has 6 cups. She wants to divide them evenly between 2 shelves. How many cups will Hannah put on each shelf?

3 cups

4. Kenley collects stuffed animals. She has eight stuffed animals. One animal is a bear. What fraction of her stuffed animals is *not* a bear?

7

8

5. **Mathematical PRACTICE**  **Reason** Finn walks 1 mile to the grocery store. When he is halfway back home from the store, a friend picks him up and drives him the rest of the way. What fraction of Finn's round-trip to the grocery store did he *not* walk?

1

4

My Work!

