Name _____ Date _____

Lesson 4   Reteach

Problem Solving: Draw a Diagram

A roller coaster has 6 cars. The cars are red, blue, and yellow. Two-sixths of the cars are red and three-sixths of the cars are blue. How many cars are yellow?

Step 1 Understand	**What facts do you know?** A roller coaster has 6 cars. The cars are red, blue, and yellow. $\frac{2}{6}$ of the cars are red. $\frac{3}{6}$ of the cars are blue. **What do you need to find?** I need to find the number of cars that are yellow.
Step 2 Plan	**Make a plan.** I will draw a picture to show what I know and help me solve the problem.
Step 3 Solve	**Carry out your plan.** Draw six roller coaster cars. Label $\frac{2}{6}$ of the cars red and $\frac{3}{6}$ of the cars blue. | red | red | blue | blue | blue | | Count the number of cars that are not labeled. There is 1 car left. So, there is 1 yellow car.
Step 4 Check	**Make sure your answer is reasonable.** My drawing matches the information in the problem. So, my answer makes sense.

Lesson 4   Reteach

Problem Solving: Draw a Diagram   (continued)

Solve each problem by making a diagram.

1. A quesadilla was cut into eight equal pieces. Christa ate $\frac{3}{8}$, Oliver ate $\frac{2}{8}$, and Luther ate one piece. How many pieces are left?

2 pieces

2. There are 3 rows of 5 mini pizzas on a tray. Each mini pizza has 2 pepper slices on it. How many pepper slices are there in all?

30 pepper slices

3. The pencil cup needs to be cleaned out. Of the 25 pencils in the cup, 12 are broken, 5 do not have an eraser, and the rest can be sharpened and used. How many pencils will be put back in the cup?

8 pencils

4. Kara kept track of the weather for eight days. It rained during four of the days. Half of the days that it did not rain, it was sunny. Write a fraction to represent the part of the days that it did not rain and it was not sunny.

$\frac{2}{8}$ **days**

5. Jessica has a 40-inch board. She cuts off a 10-inch piece. She wants to make more cuts to get 6-inch pieces. How many 6-inch pieces can she get?

5 pieces