

PROBLEM SOLVING

Lesson 1.4

Name _____

Problem Solving • Model Addition




Essential Question How do you solve addition problems by making a model?



Operations and Algebraic Thinking—1.OA.1

MATHEMATICAL PRACTICES
MP.1, MP.4, MP.5



- 1** Hanna has 4 red flowers in a . She puts 2 more flowers in the . How many flowers are in the ? How can you use a model to find out?

Unlock the Problem

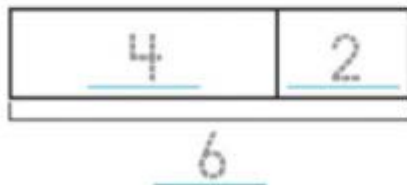
What do I need to find?

_____ flowers Hanna has

What information do I need to use?

4 red flowers
2 more flowers

- 2** Show how to solve the problem.



$$4 + 2 = \underline{\quad}$$



HOME CONNECTION • Your child can model the concepts of adding to and putting together. He or she used a bar model to show the problems and solve.

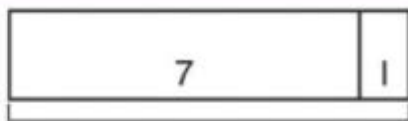
Try Another Problem



- What do I need to find?
- What information do I need to use?

Read the problem. Use the bar model to solve. Complete the model and the number sentence.

1. There are 7 dogs in the park. Then 1 more dog joins them. How many dogs are in the park now?



$$7 + 1 = \underline{\quad}$$

2. Some birds are sitting in the tree. Four more birds sit in the tree. Then there are 9 birds. How many birds were in the tree before?



9

$$\underline{\quad} + 4 = 9$$

3. There are 4 horses in the field. Some more horses run to the field. Now there are 10 horses in the field. How many horses run to the field?



10

$$4 + \underline{\quad} = 10$$

Math Talk

Mathematical Practices

How does a model help you solve Exercise 1? **Explain.**

Name _____

Share and Show**MATH BOARD****MATHEMATICAL PRACTICE****Use Diagrams** Read the problem.

Use the bar model to solve. Complete the model and the number sentence.



- 4. THINK SMARTER** Luis has 12 crayons. 5 of the crayons are red. The rest are blue. How many crayons are blue?

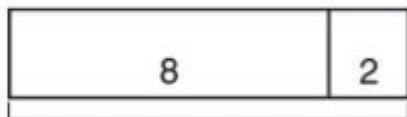


12

$$5 + \underline{\quad} = 12$$



- 5.** 8 bugs are flying. 2 more bugs fly with them. How many bugs are flying now?



$$8 + 2 = \underline{\quad}$$



- 6. THINK SMARTER** Some ducks are swimming in a pond. 3 more ducks swim in the pond. Then there are 6 ducks in the pond. How many ducks were in the pond before?



6

$$\underline{\quad} + 3 = 6$$



TAKE HOME ACTIVITY • Have your child describe each of the parts of a bar model using the number sentence $7 + 3 = 10$.

FOR MORE PRACTICE:
Standards Practice Book



Mid-Chapter Checkpoint

Concepts and Skills

Use to show adding to.

Draw the . Write the sum. (1.OA.1)

1. 3 bugs and 4 more bugs.

$$3 + 4 = \underline{\quad}$$

2. 4 seals and 2 more seals

$$4 + 2 = \underline{\quad}$$

Use to solve. Draw to show your work.
Write the number sentence and how many. (1.OA.1)

3. There are 5 red marbles and 4 blue marbles. How many marbles are there?

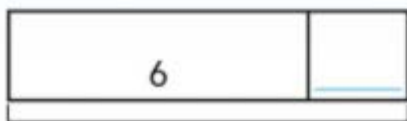
_____ marbles



Personal Math Trainer



4. **THINK SMARTER** There are 6 bunnies in the garden. More bunnies join them. Then there are 8 bunnies in the garden. How many bunnies join them? (1.OA.1)



$$6 + \underline{\quad} = 8$$