Name _____

Problem Solving • Model Subtraction

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

Operations and Algebraic Thinking—1.0 A.1

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

Tom has 6 crayons in a box.
He takes 2 crayons out of the box.
How many crayons are in the box now?
How can you use a model to find out?

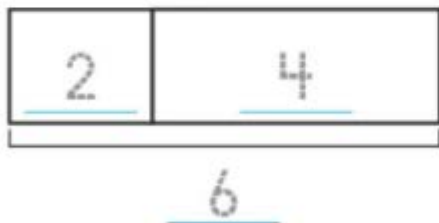## Unlock the Problem · Real World

What do I need to find?

how many _____crayons_____
are in the box now

What information do I need to use?

__6__ crayons in a box

__2__ crayons taken out

Show how to solve the problem.

2	4

6

6 − 2 = ___

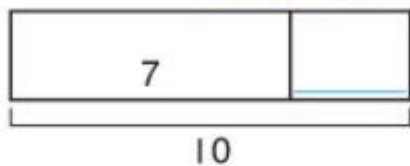**HOME CONNECTION** • Your child used a bar model to help him or her understand and solve the subtraction problem.

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Try Another Problem

Read the problem. Use the bar model to solve. Complete the model and the number sentence.
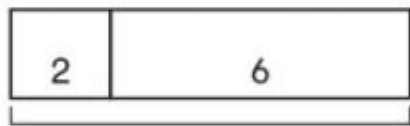
- What do I need to find?
- What information do I need to use?

1. There are 10 stickers. 7 stickers are orange. The rest are brown. How many stickers are brown?

7	

10

$10 - 7 = \underline{\quad}$

2. Some birds were in the tree. 2 birds flew away. Then there were 6 birds. How many birds were in the tree before?

2	6

$\underline{\quad} - 2 = 6$

3. There were 5 cars. Some cars drove away. Then there was 1 car. How many cars drove away?

	1

5

$5 - \underline{\quad} = 1$

Math Talk

Mathematical Practices

What does each part of the model show? **Explain.**

Name _____

Share and Show
MATH BOARD

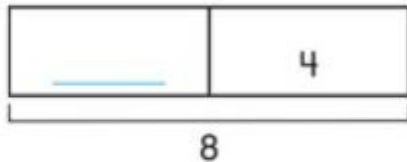**MATHEMATICAL PRACTICE** **Use Models** Read the problem.
Use the bar model to solve. Complete the
model and the number sentence.

4. Some goats were in the
field. 3 goats ran away.
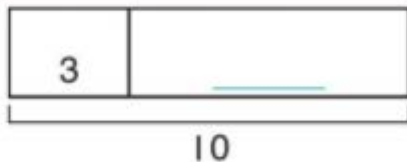Then there were 4 goats.
How many goats were in
the field before?

3	4

_____

_____ $- 3 = 4$

5. There are 8 sleds. Some
sleds slide down the hill.
Then there are 4 sleds.
How many sleds slide
down the hill?

_____	4

8

$8 -$ _____ $= 4$

6. There are 10 buttons.
3 buttons are small.
The rest are big.
How many buttons
are big?

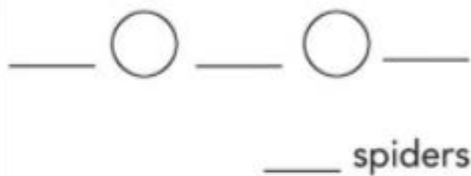| 3	_____

10

$10 - 3 =$ _____
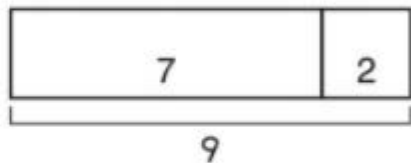
On Your Own **WRITE** ▸ Math

💻 Solve.

7. **GO DEEPER** There were 8 spiders in the grass. Some spiders crawled away. Then there were 3 spiders. How many spiders crawled away? Complete the number sentence.

___ ◯ ___ ◯ ___

_____ spiders

8. **THINK SMARTER** Write your own story problem using the model.

Math on the Spot

7	2

9

_____

_____

_____

_____

9. **THINK SMARTER** Complete the model and number sentence.

There are 7 toy rockets. 4 toy rockets are red. The rest are black. How many toy rockets are black?

4	_____

7

$7 - 4 =$ ___

🏠 **TAKE HOME ACTIVITY** • Ask your child to describe what the bottom part of a bar model means when subtracting.

FOR MORE PRACTICE: Standards Practice Book