Name _____

# Algebra • Add in Any Order

**Essential Question** Why can you add addends in any order?

Operations and Algebraic
Thinking—1.OA.3
**MATHEMATICAL PRACTICES**
MP.7, MP.8

**Listen and Draw**

Use 🟥 🟦 to model the addition sentence.
Draw to show your work.

**Math Talk**

**Mathematical Practices**

How is $2 + 3 = 5$ the same as $3 + 2 = 5$? **Explain** how it is different.

**FOR THE TEACHER •** Direct children to do the following. Use connecting cubes to show $2 + 3$ and then $3 + 2$.

© Houghton Mifflin Harcourt Publishing Company

Chapter 1

## Model and Draw

The **order** of the **addends** changes.
What do you notice about the sum?

$$1 + 3 = 4$$

addends    sum

$$\underline{3} \;\oplus\; \underline{1} \;\ominus\; \underline{4}$$

## Share and Show

MATH BOARD

Use 🔴 🔵 to add.
Color to match.
Write the sum.

Change the order of the
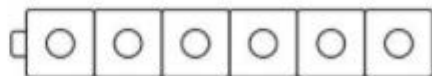addends. Color to match.
Write the addition sentence.

**1.**

$$2 + 3 = \underline{\phantom{0}}$$

$$\underline{\phantom{0}} \bigcirc \underline{\phantom{0}} \bigcirc \underline{\phantom{0}}$$

**✓ 2.**

$$2 + 4 = \underline{\phantom{0}}$$

$$\underline{\phantom{0}} \bigcirc \underline{\phantom{0}} \bigcirc \underline{\phantom{0}}$$

**✓ 3.**

$$4 + 1 = \underline{\phantom{0}}$$

$$\underline{\phantom{0}} \bigcirc \underline{\phantom{0}} \bigcirc \underline{\phantom{0}}$$
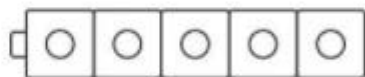
Name _____

**On Your Own**

**MATHEMATICAL PRACTICE** ❼ **Look for Structure** Use ■ ■. Write the sum.
Circle the addition sentences in each row that
have the same addends in a different order.

**4.**

1 + 2 = ___          1 + 3 = ___          2 + 1 = ___

**5.**

1 + 5 = ___          4 + 2 = ___          2 + 4 = ___

**6.** **THINK SMARTER** Choose addends to complete the
addition sentence. Change the order.
Write the numbers.

___ + ___ = 10                  ___ + ___ = ___

**7.** **GO DEEPER** Write two addition sentences that
tell about the picture.

___ ◯ ___ ◯ ___

___ ◯ ___ ◯ ___

## Problem Solving • Applications (Real World)    WRITE ▸ Math

Draw pictures to match the addition sentences.
Write the sum.

8. $2 + 6 =$ _____

   $6 + 2 =$ _____

___

9. $1 + 5 =$ _____

   $5 + 1 =$ _____

10. **THINK SMARTER**  Draw lines to match the
    same addends in a different order.

   $7 + 3 = 10$      $3 + 6 = 9$      $4 + 6 = 10$
       •                  •                  •



       •                  •                  •
   $6 + 4 = 10$      $3 + 7 = 10$      $6 + 3 = 9$

**TAKE HOME ACTIVITY**  • Ask your child to use small objects of
the same kind to show  $2 + 4$ and $4 + 2$ and then explain to you
why the sums are the same. Repeat with other addition sentences.

FOR MORE PRACTICE:
Standards Practice Book