Problem Solving

MATHEMATICAL PRACTICES

Solve the problems below.

11. Tara put 7 books on one shelf and 8 books on another shelf. Then she put 4 books on the last shelf. How many books did Tara put on shelves in all? Write a number sentence to solve the problem.

____ + ____ + ____ = ____

____ books

12. Dave bought 3 pencils, 8 markers, and 5 pens. He wants to know how many items he bought in all. He added 3 + 5 first. What should Dave add next?

3 + 8	3 + 13	8 + 5	8 + 8
Ⓐ	Ⓑ	Ⓒ	Ⓓ

13. **Journal** Explain how to add 7 + 2 + 3. Use pictures, numbers, or words.

FOLD

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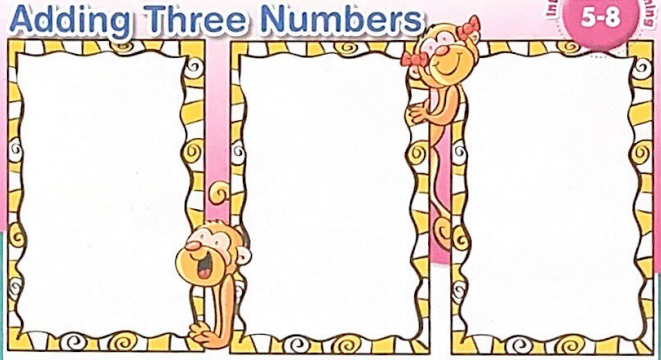
Name _____

Interactive Learning

Lesson 5-8

Adding Three Numbers



1.

____ + ____ = □

□ + ____ = ____

2.

____ + ____ = □

□ + ____ = ____

3.

____ + ____ = □

□ + ____ = ____

4.

____ + ____ = □

□ + ____ = ____

1.OA.3 Apply properties of operations as strategies to add and subtract. *Examples: If 8 + 3 = 11 is known, then 3 + 8 = 11 is also known. (Commutative property of addition.) To add 2 + 6 + 4, the second two numbers can be added to make a ten, so 2 + 6 + 4 = 2 + 10 = 12. (Associative property of addition.)* Also **1.OA.2**

Home Connection Your child learned that three numbers can be added in any order and the sum will be the same.

Home Activity Ask your child to show two different ways to add 3, 6, and 4.

You can add three numbers.

$8 + 6 + 2$

Pick 2 numbers to add first.

You can make 10.

$(8) + 6 + (2) = 16$

10

$8 + 2 = 10$
$10 + 6 = 16$

You can make a double.

$8 + (6) + (2) = 16$

8

$6 + 2 = 8$
$8 + 8 = 16$

You can add any two numbers first.

$(3) + (5) = 8$

$8 + 4 = 12$

$3 + (5) = 8$

$8 + (4) = 12$

The sums are the same.

Guided Practice

Add the circled numbers first.
Write their sum in the box.
Then write the sum of all 3 numbers.

1. $(2) + (9) + 1 = 12$ $\quad$ $2 + (9) + (1) = 12$

   11 $\quad$ 10

2. $(6) + (3) + 2 = \_\_\_$ $\quad$ $6 + (3) + (2) = \_\_\_$

   $\square$ $\quad$ $\square$

3. $(8) + (8) + 3 = \_\_\_$ $\quad$ $8 + (8) + (3) = \_\_\_$

   $\square$ $\quad$ $\square$

Do you understand? Why can you pick any 2 numbers to add first when you add 3 numbers?

Independent Practice

Circle 2 numbers to add first.
Write their sum in the box.
Then write the sum of all 3 numbers.

4. $6 + 6 + 1 = \square$

5. $3 + 7 + 8 = \square$

6. $8 + 9 + 3 = \square$

7. $7 + 3 + 3 = \square$

8. $2 + 2 + 8 = \square$

9. $5 + 4 + 9 = \square$

Algebra Find the missing numbers.

10. The numbers on each branch add up to 15.