Name _____

Use Cuisenaire Rods. Build the addition sentence. Write the number sentence.

1. | yellow | + | purple |

_____ + _____ = _____

2. | dark green | + | red |

_____ + _____ = _____

Use Cuisenaire Rods. Build the addition sentence. Draw the model. Write the number sentence.

3. $3 + 4$

$3 + 4 =$ _____

Find each sum.
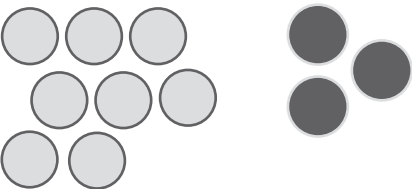
4. $3 + 8 =$ _____   **5.** $4 + 4 =$ _____

6. $1 + 5 =$ _____   **7.** $7 + 2 =$ _____

Challenge!   What does the symbol + mean?
What does the symbol = mean?

Name _____

Use Two-Color Counters. Build each subtraction problem. Write the number sentence.

1.

$11 - 3$

_____ – _____ = _____

2.

$8 - 2$

_____ – _____ = _____

Use Two-Color Counters. Build the subtraction shown. Draw the model. Complete the number sentence.

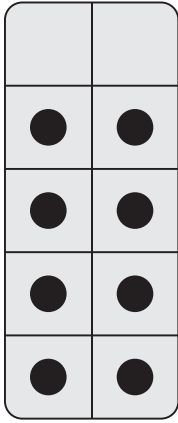**3.** $9 - 5 =$ _____

4. $8 - 7 =$ _____

5. $5 - 3 =$ _____

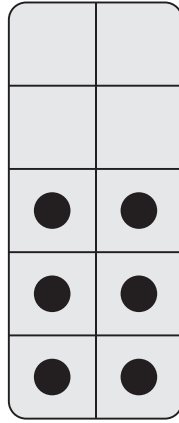**Challenge!** Complete the subtraction sentence. Then write an addition sentence to check your answer.

$12 - 5 =$ _____

_____

_____

_____

_____

_____

Use DecaDots. Add the numbers modeled. Write the sentence and sum.
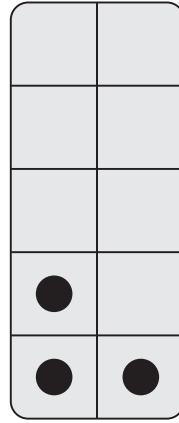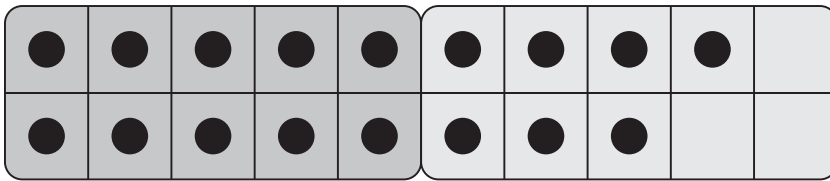
1.

_____ + _____ + _____ = _____

Use DecaDots. Model the addition. Draw the model. Write the sum.

2. 6 + 8 + 5 = _____

Find the sum.

3. 7 + 7 + 4 = _____   **4.** 3 + 8 + 9 = _____

Challenge!   Find three numbers that add to 16. Write a number sentence for these numbers.

Name _____

Use Cuisenaire Rods to build the trains.
Write a number sentence for each row.

1.

dark green

	green	red

	yellow

____ + ____ + ____ = ____

____ + ____ = ____

dark green

	green	red

purple	red

____ + ____ + ____ = ____

____ + ____ = ____

2.

brown

purple	green	

purple	purple

____ + ____ + ____ = ____

____ + ____ = ____

brown

purple	green	

black	

____ + ____ + ____ = ____

____ + ____ = ____
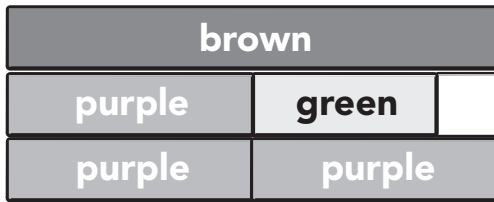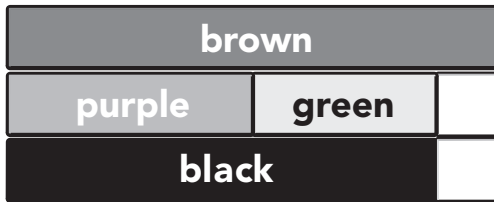
Group 2 numbers. Add them. Then write an addition sentence with the sum and the third number.

3. 6, 1, and 3

____ + ____ = ____

____ + ____ = ____

4. 4, 1, and 2

____ + ____ = ____

____ + ____ = ____

Challenge!   What did writing two number sentences for each set of three numbers tell you about adding three numbers?

_____

_____

_____

_____

_____

_____

Name _____

Use Snap Cubes. Build the addition sentence.
Write a number sentence for each row.

1.

_____ + _____ = _____

_____ + _____ = _____

2.

_____ + _____ = _____

_____ + _____ = _____
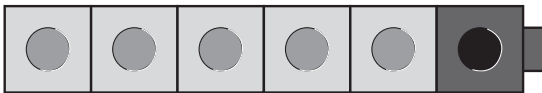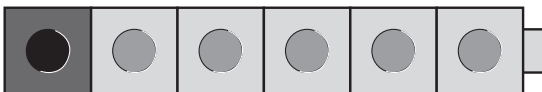
Use Snap Cubes. Build two addition problems
with the numbers. Write both sentences.

3. 5 and 4

_____ + _____ = _____

_____ + _____ = _____

Write two addition sentences.

4. 2 and 9

_____ + _____ = _____

_____ + _____ = _____

5. 3 and 7

_____ + _____ = _____

_____ + _____ = _____
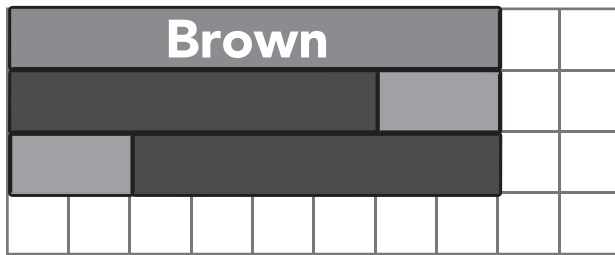
Challenge!   What did writing two number sentences for each pair of numbers tell you about adding two numbers?

_____

_____

_____

_____
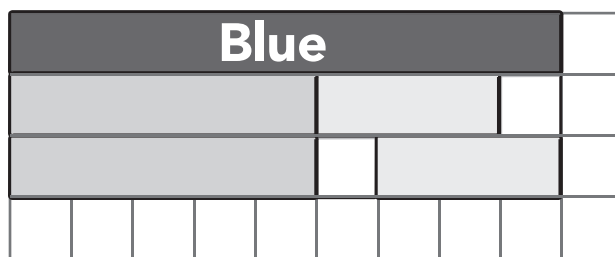
_____

Name _____

Use Cuisenaire Rods to build the model. Write the two addition sentences the model shows.

1.

Brown

_____

_____

2.

Blue

_____

_____

Use Cuisenaire Rods to model the number sentence. Sketch a model that shows the numbers added differently. Write the addition sentence.

3. 3 + 2 = 5

4. 4 + 5 + 1 = 10

_____   _____

Write an addition sentence that shows the numbers added differently.

5. 8 + 3 = 11

6. 5 + 4 + 7 = 16

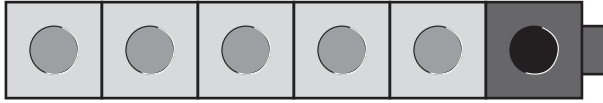_____   _____

Challenge! Write a different sentence for Question 2 that changes the order of the added numbers. Sketch a model to help.
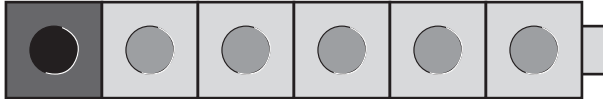
Use Snap Cubes. Build the facts shown.
Write two addition sentences. Then write
two subtraction sentences.

1.

_____ + _____ = _____

_____ + _____ = _____

_____ − _____ = _____

_____ − _____ = _____

Use Snap Cubes. Model two addition sentences.
Draw the models. Write a family of sentences.

2. 3, 5, and 8   **3.** 6, 4, and 10

_____ + _____ = _____   _____ + _____ = _____

_____ + _____ = _____   _____ + _____ = _____

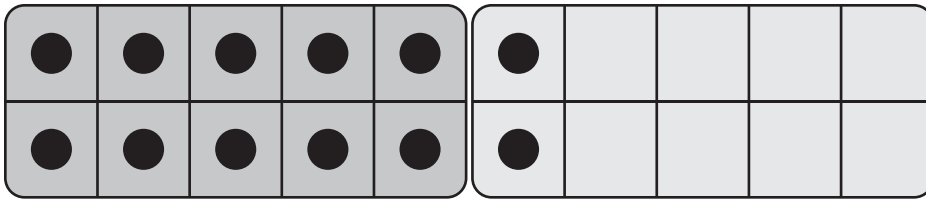_____ − _____ = _____   _____ − _____ = _____
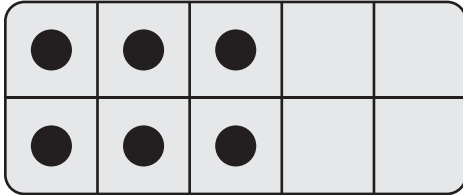
_____ − _____ = _____   _____ − _____ = _____

Challenge!   Think of two numbers that make a sum of 13. Draw a model to show the sum. Write a family of number sentences.

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Use DecaDots. Build the sentence.
Find the missing number.

1.

$6 +$ _____ $= 12$

Use DecaDots. Draw the model. Find the missing number.

2. $7 +$ _____ $= 12$

Find each missing number.

3. $9 +$ _____ $= 13$ **4.** $5 +$ _____ $= 17$

5. $11 +$ _____ $= 15$ **6.** $9 +$ _____ $= 18$

Challenge! Describe how the dots on the DecaDots help you find the missing number. Draw a picture to help.

Name _____

Use DecaDots. Build the sentence.
Find the missing number.

1.
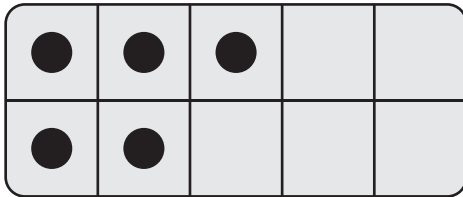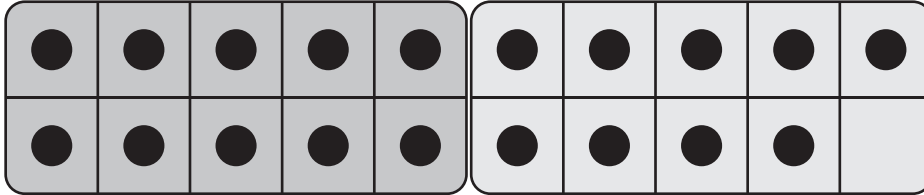
$$19 - \underline{} = 5$$

Use DecaDots. Draw the model.
Find the missing number.

2. $20 - \underline{} = 8$

Find each missing number.

3. $12 - \underline{} = 9$ **4.** $11 - \underline{} = 4$

5. $15 - \underline{} = 11$ **6.** $19 - \underline{} = 6$

Name _____

Challenge! How can you use addition to check if you found the correct missing number? Draw a picture to help.

Name _____

Use Base Ten Blocks. Build the numbers shown. Count on to find the total.

1. ⬜ ⬜ ⬜ ⬜ ⬜ ⬜ ⬜

   + ⬜ ⬜ ⬜

   _____ + _____ = _____

Use Base Ten Blocks. Build each number. Draw the model. Count on to find the total. Draw the model.
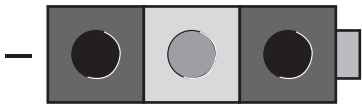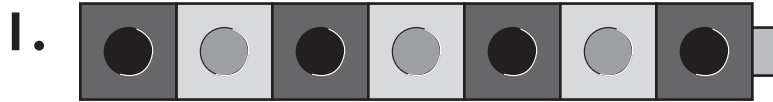
2. 6 + 3

Total _____

3. 5 + 4

Total _____

4. 2 + 3

Total _____

Challenge! Why does the "counting on" strategy work for addition?

_____

_____

_____

_____

_____

_____

Name _____

Use Snap Cubes. Make the model shown. Count back to find the answer.

1.

_____ – _____ = _____

2.

_____ – _____ = _____

Use Snap Cubes. Build each number sentence. Count back to find the answer. Draw the model.

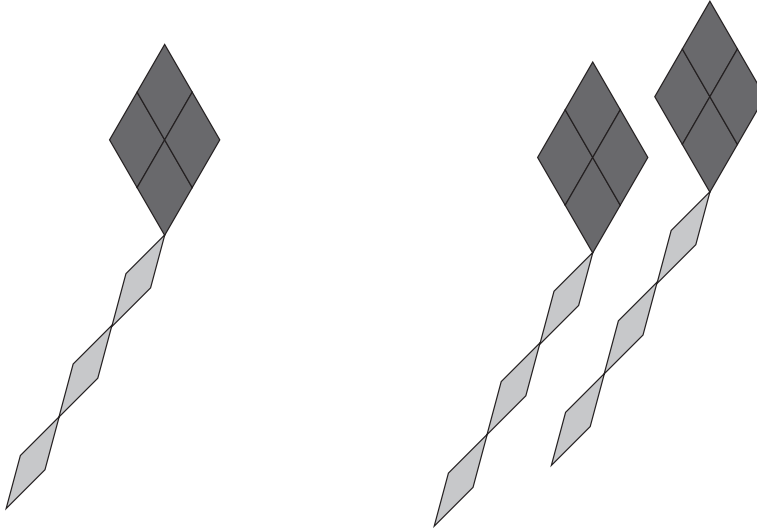**3.** 9 – 2 = _____

4. 10 – 4 = _____

5. 8 – 5 = _____

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Challenge!   Why does the "counting back" strategy work for subtraction?

Use Pattern Blocks. Build the kites shown. Complete the sentences.

1.

1 kite has _____ ◇ .

2 kites have _____ ◇ .

Use Pattern Blocks. Build a design. Draw a group of 1 and 2. Write two sentences like the ones above.

2.

Challenge!   If one house has four windows, how can you find how many windows are in 2 houses? How can you find how many windows are in 3 houses?

_____

_____

_____

_____

_____

_____

_____

Name _____

Use Cuisenaire Rods. Build the subtraction shown. Write the number sentence.

1.

| blue |
| green |

_____ − _____ = _____

2.

| brown |
| yellow |

_____ − _____ = _____

Use Cuisenaire Rods. Build the subtraction shown. Draw the model. Complete the number sentence.

3. $10 - 3 =$ _____

4. $8 - 2 =$ _____

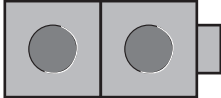**5.** $7 - 5 =$ _____
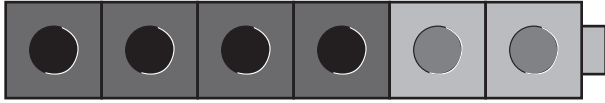
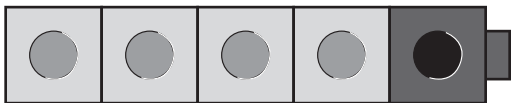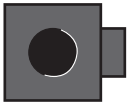Name _____

Challenge!   The answer to a subtraction problem and the number being subtracted should add to what number?

_____

_____

_____

_____

_____

Use Snap Cubes. Make each model. Write an addition sentence. Then write the related subtraction sentence.

1. _____ + _____ = _____

_____ – _____ = _____ _____ – _____ = _____

2. _____ + _____ = _____

_____ – _____ = _____ _____ – _____ = _____

Use Snap Cubes. Build an addition sentence. Build a subtraction sentence. Draw the models. Write the sentences.

3. 3 + 6 = _____   _____ – _____ = _____

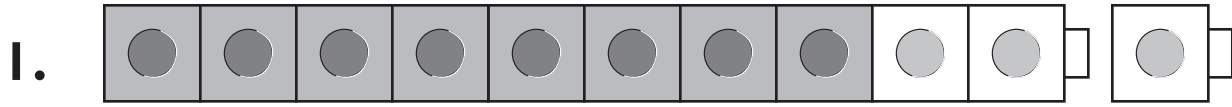**4.** 5 + 2 = _____   _____ – _____ = _____

5. 9 + 1 = _____   _____ – _____ = _____

Name _____

Challenge! Write two subtraction sentences that are related to the addition sentence 3 + 8 = 11. Explain.
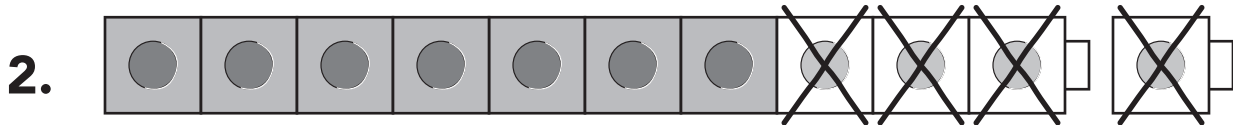
Name _____

Use Snap Cubes. Build the cube train. Write the addition two ways.

1.

_____ + _____ = _____

_____ + _____ + _____ = _____

Use Snap Cubes. Build the cube train. Write the subtraction two ways.

2.

_____ – _____ = _____

_____ – _____ – _____ = _____

Add or subtract. Make a 10 first.

3. $8 + 5$

_____ + _____ + _____ = _____

4. $11 - 2$

_____ – _____ – _____ = _____

Name _____

Challenge!   Making a 10 can help you add.
It can help you subtract, too. Describe other
tricks you use to add or subtract.

_____

_____

_____

_____

_____

_____

_____