Name _____ Date _____

Mariela's homework had this problem:

60 – 38 = _____

Mariela solved the problem like this:

60 – 38 = 59 – 37 = _____

Ari told Mariela, "You can't do that." Who is right?
Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Anika said 4 + 3 is equal to 3 + 4, so 9 + 36 is equal to 36 + 9. Is she right or wrong? Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Mark said 7 + 1 is equal to 1 + 7, so 7 – 1 is equal to 1 – 7. Is he right or wrong? Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Mr. Green wrote a problem on the board.

> *If you have 3 cookies and you get 19 more, how many cookies would you have now?*

Dante said, "I'll start at 19 and add 3 more."

Can he do that? Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Put a number on the line that makes the equation true. Show or explain how you know.

$$6 + 2 = ___ + 6$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Put a number on the line that makes the equation true. Show or explain how you know.

$$37 + 19 = ___ + 20$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Bailey knows without adding that 6 + 7 is greater than 6 + 4.
How does she know?
Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

How could Deja solve 7 + 8 if she knows the answer to 7 + 7?
Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Ms. Jackson asked her class to solve this problem:

$$6 + 3 + 6 = ___$$

Darrell added 6 + 6 first and then added 3.
Will he get the correct answer?
Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Miles has to solve 8 + 6. He knows 8 + 2. What more does he have to do to solve the problem? Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Assata needed to solve 100 – 36. In order to solve the problem, she solved 99 – 35 and got the correct answer. Why does her strategy work? Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Put a number on the line that makes the equation true.
Show or explain how you know.

$$3 + 4 + 2 = __ + 2 + 3$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Put a number on the line that makes the equation true.
Show or explain how you know.

$$13 + 24 + 42 = __ + 42 + 13$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Quentin knows 50 + 50 = 100.
How can he use this to solve 49 + 53?
Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Put a number on the line that makes the equation true.
Show or explain how you know.

$$59 + 73 = __ + 60$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Put a number on the line that makes the equation true.
Show or explain how you know.

$$79 + 53 = 80 + __$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Dimitri has to solve 59 + 73 = ___. Here is his work:

Why does Dimitri's method work? Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Janelle has to solve 9 – 5. What addition problem can she use to solve this?

Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

The teacher wrote an equation on the board:

$$123 - 79 = ___$$

Circle all of the equations you could use to solve this problem. Show or explain how you know.

A. $123 + 79 = ___$

B. $79 + ___ = 123$

C. $79 + 123 = ___$

D. $79 - 123 = ___$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Is the following equation true or false?

$$4 + 5 + 6 = 10 + 5$$

Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Is the following equation true or false?

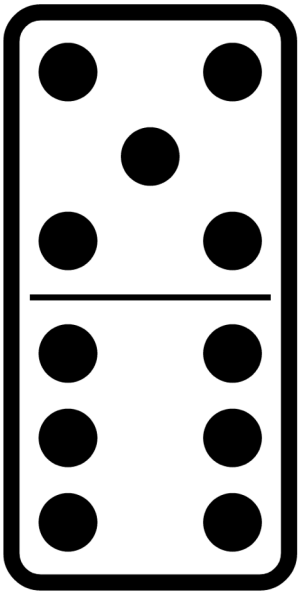
$$21 = 7 + 21$$

Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Write as many equations as you can to match the domino.
Show or explain how you know.



©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Put a number in the blank to make the equation true.

$$62 + 29 - __ = 62$$

Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Is the following equation true or false?

$$37 + 18 - 18 = 37$$

Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Write a number in the blank to make the equation true.

$$48 = __ + 48$$

Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Write a number in the blank to make the equation true.

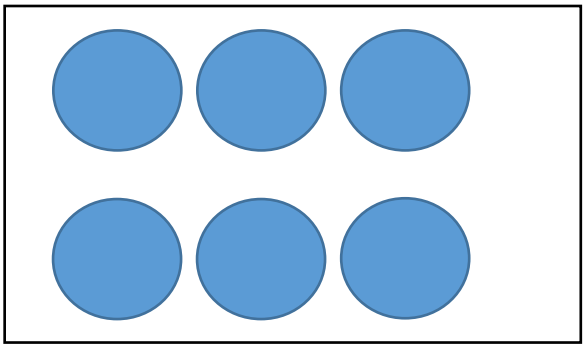
$$37 = __ + 0$$

Show or explain how you know.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

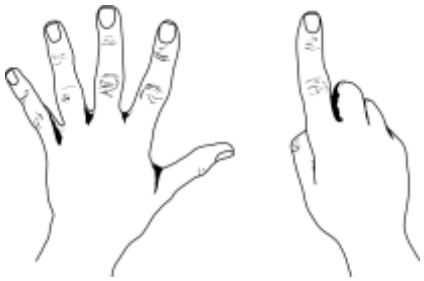
Here is a dot card.



Ray made the same number with his fingers.

Is he right?

Show or explain how you know.



©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Find the sum. Show or explain how you know.

$$11 + 16 + 9 + 14 = ____$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Are the following equations true or false?
Circle TRUE or FALSE and show or explain how you know.

1. 17 = 6 + 11 TRUE or FALSE
Explain:

2. 8 + 7 = 7 + 8 TRUE or FALSE
Explain:

3. 0 + 13 = 13 TRUE or FALSE
Explain:

4. 3 + 2 + 5 = 10 + 2 + 3 TRUE or FALSE
Explain:

5. 9 + 6 = 10 + 5 TRUE or FALSE
Explain:

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Are the following equations true or false?
Circle TRUE or FALSE and show or explain how you know.

1. 6 + 9 = 19 TRUE or FALSE
Explain:

2. 17 = 6 + 11 TRUE or FALSE
Explain:

3. 3 + 8 = 1 + 10 TRUE or FALSE
Explain:

4. 8 + 5 + 2 = 5 + 10 TRUE or FALSE
Explain:

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Are the following equations true or false?
Circle TRUE or FALSE and show or explain how you know.

1. 87 + 64 = 64 + 87 TRUE or FALSE
Explain:

2. 138 + 54 – 54 = 138 TRUE or FALSE
Explain:

3. 59 + 36 + 1 = 60 + 36 TRUE or FALSE
Explain:

4. 51 + 38 = 50 + 39 TRUE or FALSE
Explain:

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Write a story problem to match the equation:

$$8 + 11 = 19$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Write a story problem to match the equation:

$$36 + ___ = 102$$

Now solve your story problem. Show your work.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Write a story problem to match the equation:

$$16 - 9 = 7$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

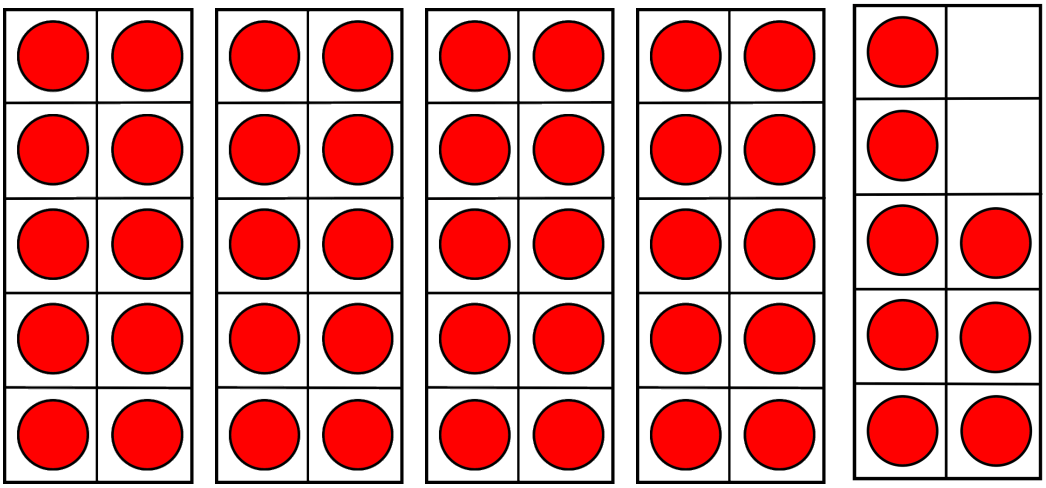
Write a story problem to match the equation:

$$42 - __ = 12$$

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).

Name _____ Date _____

Kyla made a number with ten frames.



How could she make the same number with base 10 blocks?
Draw a picture of the same number with base 10 blocks below.

Show or explain how you know.

Draw for 10.

Draw for 1.

©2016 OGAPMath LLC. For noncommercial use only. This product is the result of a collaborative effort between the Ongoing Assessment Project (OGAP) and the Consortium for Policy Research in Education (CPRE) which was funded by the National Science Foundation (DRL-16208888).