

PROPERTIES OF OPERATIONS

Addition & Subtraction

1ST GRADE

Property
Commutative Property

Numbers love friendship!
We can
friendship
other
matter h
our st

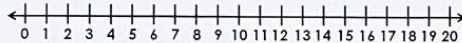
$$5 + 5 = 15$$

CCSS
ALIGNED
1.OA.B.3

Name: _____ Date: _____

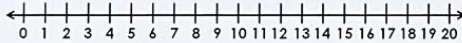
Friendship Using a Number Line

Directions: Use a number line to solve the equations. Draw your own Friendship Bond around the numbers you will solve first.



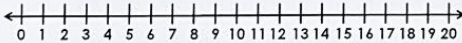
$$13 + 2 + 3 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



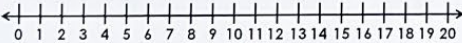
$$8 + 4 + 4 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



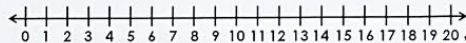
$$3 + 8 + 6 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



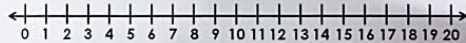
$$12 + 6 + 2 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



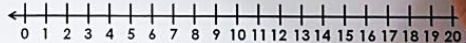
$$4 + 5 + 8 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



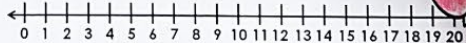
$$11 + 2 + 6 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



$$7 + 6 + 2 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

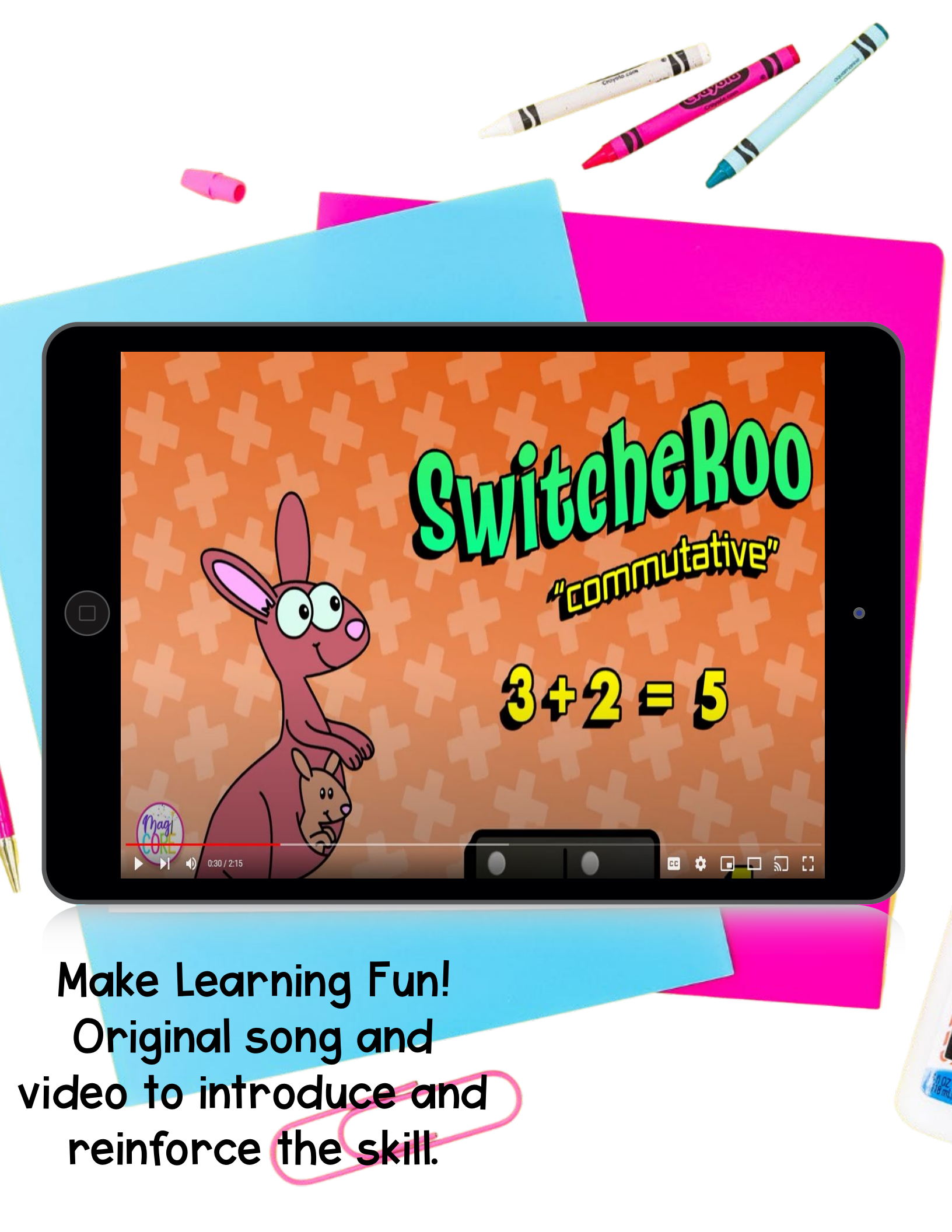


$$2 + 4 + 5 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



COMPLETE UNIT INCLUDES VIDEO SONG, ANCHOR CHARTS, WORKSHEETS, CENTERS, & ASSESSMENT

The background features a collage of colorful papers in shades of blue, pink, and yellow. Several Crayola crayons are scattered across the top, including a white one, a pink one, and a light blue one. A pink paperclip is visible on the right side.

Switcheroo

"commutative"

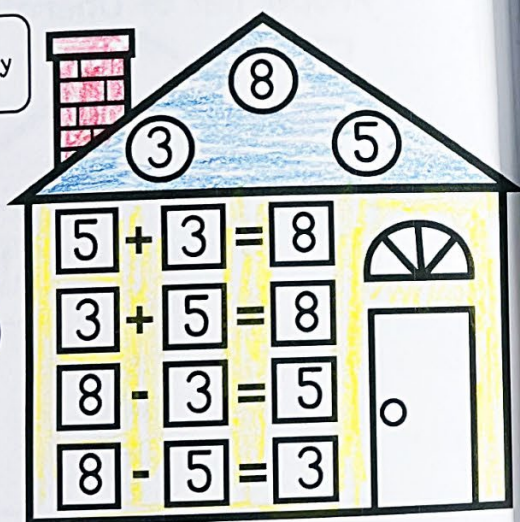
$$3 + 2 = 5$$



Make Learning Fun!
Original song and
video to introduce and
reinforce the skill.

at Families work together to
ke related addition and
traction equations.

We are
one happy
family!

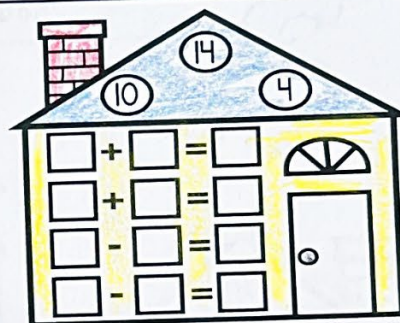


ese equations are made up
the same numbers, but in a
ferent order.

©John Becker



These equations are lost,
can you help them get
home?



$12 + 6 = 18$
$14 - 10 = 4$
$6 + 12 = 18$
$18 - 12 = 6$
$10 + 4 = 14$
$18 - 6 = 12$
$4 + 10 = 14$
$14 - 4 = 10$



Connect the equation with its
correct Fact Family.

©John Becker

Friendship Property

The Associative Property

Numbers love

friendship!

We can

friendship

other n

matter h

our su

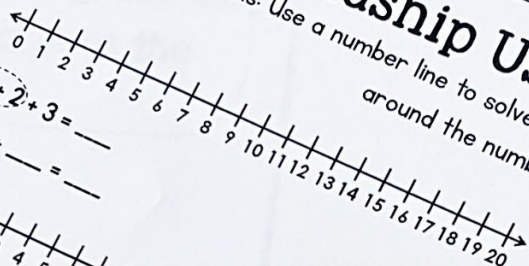


Name: _____

Date: _____

Friendship Using a Number Line

Directions: Use a number line to solve the equations. Draw your own Friendship Bond around the numbers you will solve first.



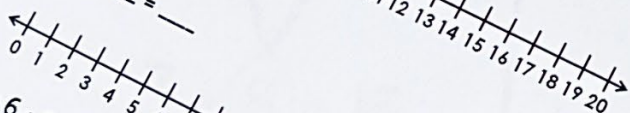
_____ + _____ = _____



_____ + _____ = _____



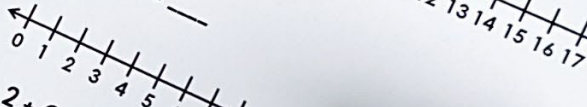
_____ + _____ = _____



_____ + _____ = _____



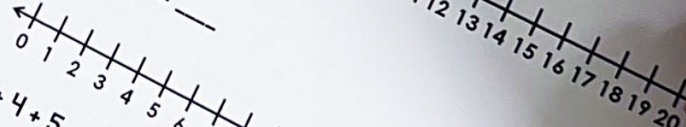
_____ + _____ = _____



_____ + _____ = _____



_____ + _____ = _____



_____ + _____ = _____





Numbers love friendship!
We can create a
friendship bond with
other numbers. No
matter how you group us,
our sum is always the
same.

Friendship Property

The Associative Property



$$\begin{array}{c} 10 \\ \swarrow \quad \searrow \\ 7 + 3 + 5 = 15 \end{array}$$

friendship

$$\begin{array}{c} 7 + 8 = 15 \\ \swarrow \quad \searrow \\ 7 + 3 + 5 = 15 \end{array}$$

friendship

Friendship Road

Directions: Start by coloring the Friendship Road numbers. Then finish coloring the equation. As you solve the equation color in the blank.

Name: _____ Date: _____

	$4 + 8 + 2 = \underline{\quad}$
	$9 + 3 = \underline{\quad}$
	$7 + 3 + 5 = \underline{\quad}$
	$9 + 6 + 4 = \underline{\quad}$
	$7 + 3 + 5 = \underline{\quad}$
	$9 + 2 + 3 = \underline{\quad}$
	$9 + 3 + 7 = \underline{\quad}$

PROPERTIES OF OPERATIONS

Addition & Subtraction

1. Pedagogy
2. Lesson Plans
3. Vocabulary Cards
4. Anchor Chart: Switcheroo Property (Commutative Property)
5. Domino Switcheroo
6. Tablet Switcheroo/Burger Switcheroo
7. Anchor Chart: Friendship Property
8. Friendship Solver Cards
9. Friendship Road
10. Number Line Mat
11. Friendship Using a Number Line
12. Anchor Chart: Fact Families
13. Fact Family Neighborhood Mini-book
14. Interactive Anchor Chart: Fact Family House
15. Fact Family Cute and Paste
16. Problem Solvers
17. Property of Operations Scoot
18. Fact Families Game
19. Quiz

Properties of Operations

Understanding the properties of operations relies mostly on addition strategies.

This is simply because the Commutative and Associative Properties are primarily used for addition equations. It is essential that students learn how to reason through addition and subtraction equations logically. As the equations become more complex or include more elements, this understanding of operations will help students break down more challenging equations in the future. Through understanding the Commutative and Associative Properties of operations, students will gain a deeper knowledge of how the numbers within an equation relate to one another and will be able to apply this knowledge universally. While the properties are formally named “Commutative” and “Associative,” it is not necessary that students learn these formal terms.

In this unit, students will begin by learning about the Commutative Property, arguably the simpler of the two. This will be followed by learning the Associative Property. There are many math tools you can incorporate to help scaffold student learning, such as manipulatives and number lines. Subtraction will primarily be included with the Associative Property. Subtraction can be a tricky part of this standard because subtraction equations are typically unable to be simply rearranged and result in the same difference. This unit will focus largely on fact families. Understanding fact families is the best way to help students relate addition and subtraction facts to each other and to the properties of operations as a whole. Students will be able to identify how these properties work with numbers and will be able to apply their understanding of the concepts to solve equations in a more efficient and logical way.

Properties of Operations

Day 1: Introduce property of operations for addition

Mini Lesson: Introduce the purpose of the lesson today: to use properties of operations to solve addition equations.

- Show students the unit vocabulary cards.
- Watch the Property of Operations song.
- Introduce the "Switcheroo Strategy" anchor chart.
- Model the commutative (or Switcheroo) property using several dominos, writing the dominos' numbers into an addition equation, then showing the Switcheroo strategy
 - i.e., The domino's numbers are 2 and 4. The first equation is $2 + 4 = 6$, so because of the Switcheroo strategy, $4 + 2 = 6$. Make sure to narrate this reasoning as you do it.

Guided Practice: Hand out one or two dominos to each student and have them write two addition equations using their dominos. Ask a few students to share their equations and their reasoning.

Independent Practice: Students work on the Domino Switcheroo worksheet.

Day 2: Commutative property of operations for addition

Mini Lesson: Introduce the purpose of the lesson today: to use properties of operations to solve addition equations.

- Review the unit vocabulary cards.
- Watch the Property of Operations song.
- Review the "Switcheroo Strategy" Anchor Chart.
- Model the commutative (or Switcheroo) property using 2 different colored cubes or counters.
 - i.e., $7 + 2 = 2 + 7$, making $7 + 2$ using green cubes for 7 and red cubes for 2, then making the second equation with green cubes for 2 and red cubes for 7. Make sure to narrate this reasoning as you do it and how, no matter the order, they are the same sum.

Day 2 continued ...

Guided Practice: Pass out cubes to the students. Write up 5 equations on the board. One at a time, go through the equations as a class, making one equation out of cubes. Then, have students do a switcheroo and make the second equation.

Independent Practice: Students work on the Cut and Paste Switcheroo worksheet.

Day 3: Associative property of addition with manipulatives

Mini Lesson: Introduce the purpose of the lesson today: to use properties of operations to solve addition equations.

- Review the unit vocabulary cards.
- Watch the Property of Operations song.
- Introduce the "Friendship Strategy" anchor chart.
- Model the associative (or Friendship) property for a few equations using counters or cubes.
 - i.e., $7 + 3 + 2 = \underline{\quad}$, add $7 + 3$ to make 10, then add 2 to make 12. Then, show how you could add $3 + 2$ to make 5, then add 7 to make 12. Make sure to narrate this reasoning as you do it.

Guided Practice: Hand out a Friendship solver card to each student. Have them solve both equations on their card using either manipulatives. Direct students to solve the circled numbers in the equations first. Then, ask them to compare the two equations and see if the sum is the same (it should be).

Independent Practice: Students work on the Friendship Road worksheet with the aid of their manipulatives.

Day 4: Associative property of addition using a number line

Mini Lesson: Introduce the purpose of the lesson today: to use properties of operations to solve addition equations.

- Review the unit vocabulary cards.
- Watch the Property of Operations song.
- Review the “Friendship Strategy” anchor chart.
- Model the associative (or Friendship) strategy for a few equations using a number line.
 - i.e., $5 + 4 + 5$, narrate how you jump to 5, then jump 4 to 9, then jump 5 more to 14. Remind the students of the Friendship Strategy and show how you can also solve it by jumping to 5, then jumping 5 again to 10, then jumping 4 to 14.

Guided Practice: Pass out number lines to each student. Write out a few equations on the board. One at a time, solve the equations as a class, having each student use their number lines to help them solve the equations. After you have solved it one way, use the Friendship Strategy to solve it in a different order.

- *If you do not already have printed and laminated number lines for each student, printable copies are included in this document.*

Independent Practice: Students work on the Friendship number line worksheet.

Day 5: Associative property of addition and subtraction using fact families

Mini Lesson: Introduce the purpose of the lesson today: to use properties of operations to solve addition and subtraction equations with fact families.

- Review the unit vocabulary cards.
- Watch the Property of Operations song.
- Introduce the “Fact Family” anchor chart.
- Model completing one Fact Family House. Be sure to narrate how this connects to the “Friendship Strategy” but that you can use fact families for subtraction as well.

Guided Practice: Introduce the Fact Families mini-book. Review each page with the students before they begin their independent work on the mini-book.

Independent Practice: Students work on their Fact Family mini-books.

* Day 6: Associative property of addition and subtraction using fact families *

Mini Lesson: Introduce the purpose of the lesson today: to use properties of operations to solve addition and subtraction equations with fact families.

- Review the unit vocabulary cards.
- Watch the Property of Operations song
- Review the "Fact Family" anchor chart
- Model completing one Fact Family House. Be sure to narrate how this connects to the "Friendship Strategy" but that you can use fact families for subtraction as well.

Guided Practice: Print out the "Fact Family House" anchor chart on a poster. As a class, have students solve what the facts within the fact family would be. Ask students to come up and write their facts.

Independent Practice: Students work on the fact families cut and paste worksheet.

Day 7: Review properties of operations

Mini Lesson: Introduce the purpose of the lesson today: to review properties of operations for addition and subtraction equations.

- Review the unit vocabulary cards.
- Watch the Property of Operations song
- Review the unit anchor charts: "Switcheroo Strategy," "Friendship Strategy," and "Fact Family."
- Model one equation using the Switcheroo Strategy, one equation using the Friendship Strategy, and make one Fact Family House.
 - Switcheroo: $3 + 5 = 5 + 3$
 - Friendship: $3 + 9 + 2 = 12 + 2 = 14$
 - Fact family: 13, 7, 6

Guided Practice: Properties of Operations Scoot!

Independent Practice: Students work on Problem Solvers.

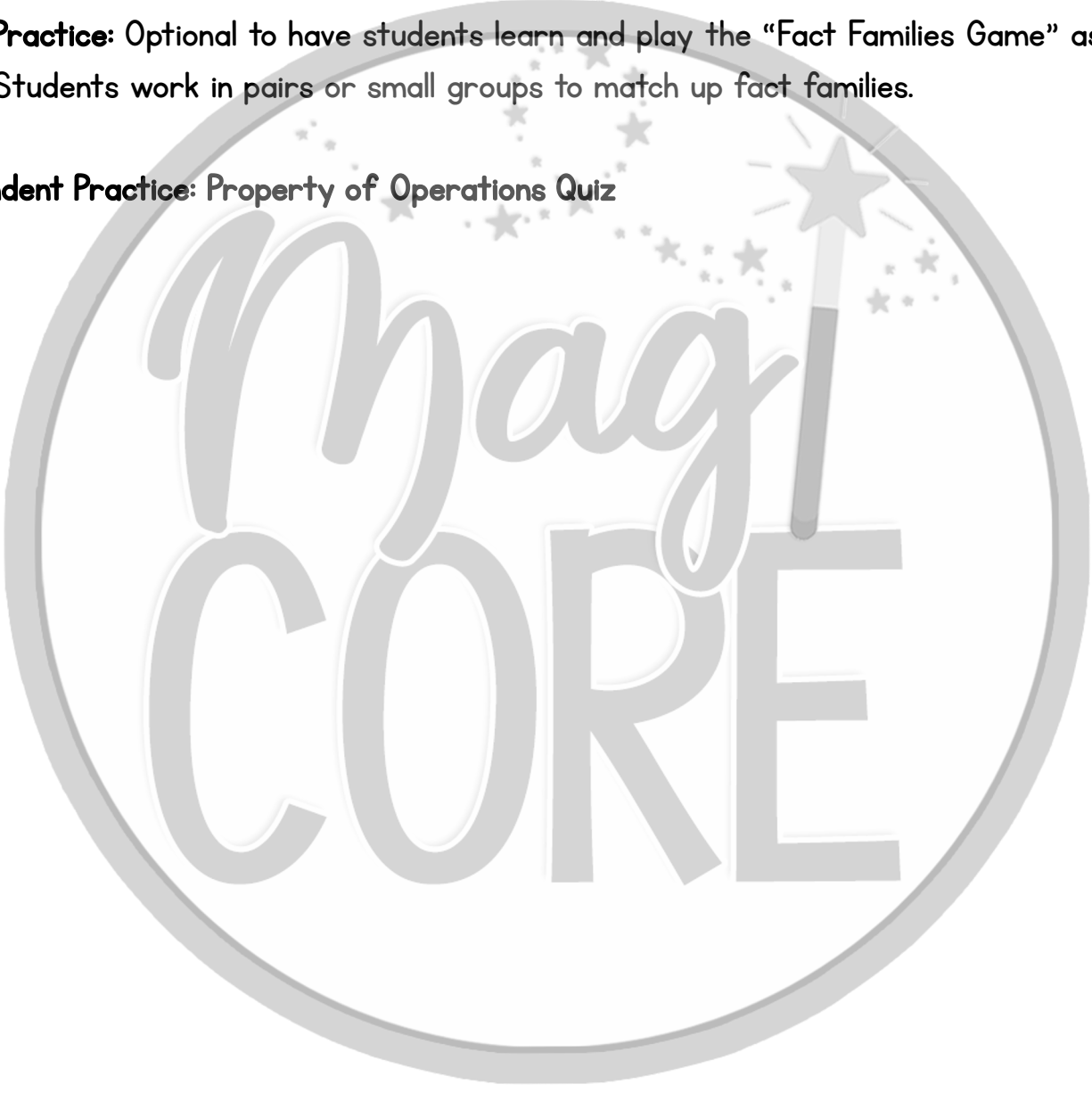
* Day 8: Properties of Operations for Addition and Subtraction *

Mini Lesson: Introduce the purpose of the lesson today: to use properties of operations to solve addition and subtraction equations with fact families.

- Review the unit vocabulary cards, The Property of Operations song, and the unit anchor charts.

Guided Practice: Optional to have students learn and play the “Fact Families Game” as a review. Students work in pairs or small groups to match up fact families.

Independent Practice: Property of Operations Quiz



Magi
CORE

Properties of Operations

Numbers have properties
That make addition really easy
Numbers have properties
Let's add some right now



First you have the switcheroo or commutative
That's where numbers can switch the sides of the equation where
they live
As long as you keep them the same, the sum is equal as well
Like 8 plus 4 or 4 plus 8 they will both add up to 12

Numbers have properties
That make addition really easy
Numbers have properties
Let's add some more right now



Next you have the associative or
the property of friendship

No matter how you group them it's the same as long as no one is skipped

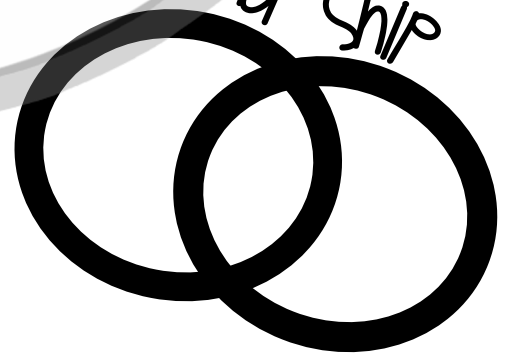
If you group 7 and 3 and add 5 you will get 15

And if you group 3 and 5 and add 7 the sum will be the same you see.

Numbers have properties
That make addition really easy
Numbers have properties
Like the switcheroo and friendship

Numbers have properties
That make addition really easy
Numbers have properties
Let's go add more right now

FRIENDSHIP



Switcheroo Property

The Commutative Property

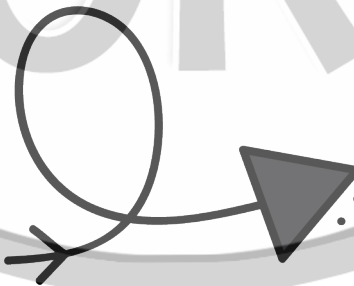


I'm Switcheroo!

In an addition equation, no matter what order you add the numbers in, the sum is the same. I just do a "Switcheroo!"

SWITCHEROO!

$$\underline{8 + 4} = 12$$



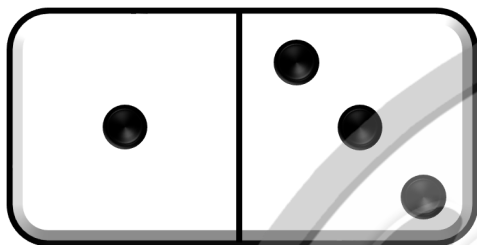
$$\underline{4 + 8} = 12$$

$$8 + 4 = 4 + 8$$

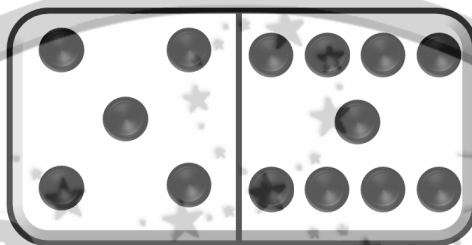
Name: _____ Date: _____

Domino Switcheroo

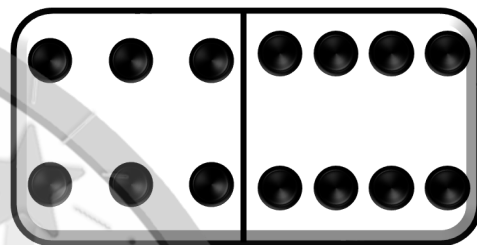
Directions: Use the numbers on the domino to write an equation. Then, do a Switcheroo and write the second equation you could make from the numbers.



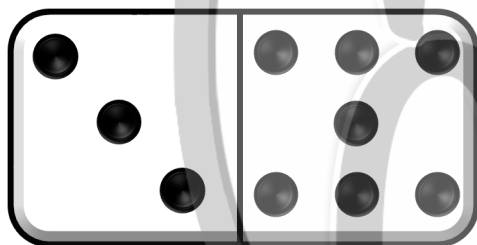
$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$



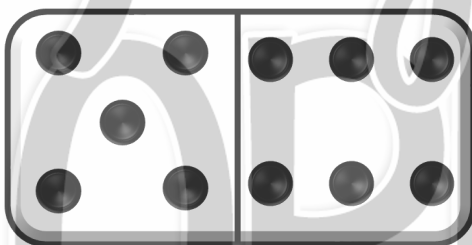
$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$



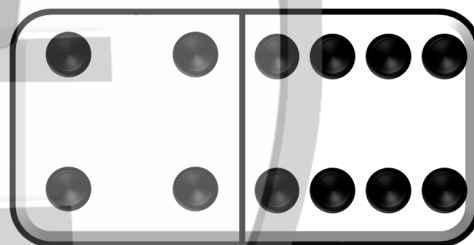
$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$



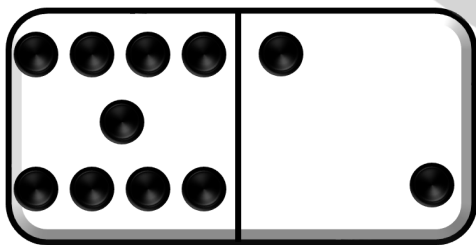
$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$



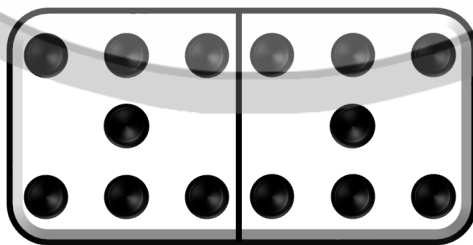
$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$



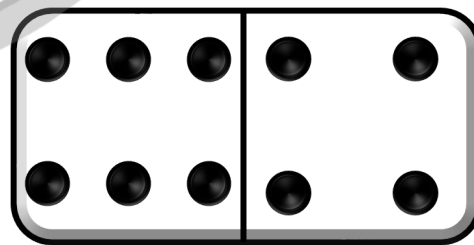
$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$



$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$



$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$



$$\begin{array}{rcl} _____ + _____ & = & _____ \\ _____ + _____ & = & _____ \end{array}$$

Name: _____ Date: _____

Tablet SWITCHEROO!

Directions: Each tablet needs a Switcheroo to unlock!

Cut out the equations and paste them into their matching tablet.

$8 + 10$

=

$7 + 8$

=

$6 + 12$

=

$9 + 11$

=

$13 + 4$

=

$5 + 14$

=

$11 + 7$

=

$13 + 5$

=

$2 + 16$

=



$12 + 6$

$7 + 11$

$14 + 5$

$11 + 9$

$10 + 8$

$8 + 7$

$4 + 13$

$16 + 2$

$5 + 13$

Friendship Property

The Associative Property



Numbers love friendship!

We can create a friendship bond with other numbers. No matter how you group us, our sum is always the same.



$$(7 + 3) + 5 = \underline{15}$$

$$10 + 5 = \underline{15}$$



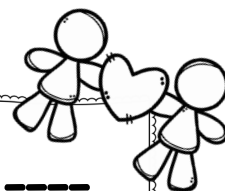
$$7 + (3 + 5) = \underline{15}$$

$$7 + 8 = \underline{15}$$

Name: _____ Date: _____

Friendship Road

Directions: Start by solving the Friendship Bond numbers, then finish solving the equation. As you solve the equation, color in the block.



$$(4 + 8) + 2 = \underline{\quad}$$

$$\bigcirc + \underline{\quad} = \underline{\quad}$$

$$6 + (3 + 7) = \underline{\quad}$$

$$\underline{\quad} + \bigcirc = \underline{\quad}$$

$$(12 + 1) + 7 = \underline{\quad}$$

$$\bigcirc + \underline{\quad} = \underline{\quad}$$



$$2 + (10 + 2) = \underline{\quad}$$

$$\underline{\quad} + \bigcirc = \underline{\quad}$$

$$(9 + 6) + 4 = \underline{\quad}$$

$$\bigcirc + \underline{\quad} = \underline{\quad}$$

$$11 + (3 + 3) = \underline{\quad}$$

$$\underline{\quad} + \bigcirc = \underline{\quad}$$

$$(13 + 5) + 1 = \underline{\quad}$$

$$\bigcirc + \underline{\quad} = \underline{\quad}$$

$$7 + (3 + 5) = \underline{\quad}$$

$$\underline{\quad} + \bigcirc = \underline{\quad}$$



$$(9 + 2) + 3 = \underline{\quad}$$

$$\bigcirc + \underline{\quad} = \underline{\quad}$$

$$11 + (4 + 2) = \underline{\quad}$$

$$\underline{\quad} + \bigcirc = \underline{\quad}$$

$$(3 + 8) + 7 = \underline{\quad}$$

$$\bigcirc + \underline{\quad} = \underline{\quad}$$



NUMBER LINE MAT

Directions:

Print, cut out, and laminate a Number Line Mat for each student to use throughout the unit.

You can have students keep these in their math journals/folders to use the rest of the year, or have a class set that you keep and pass out when necessary.

NUMBER LINE



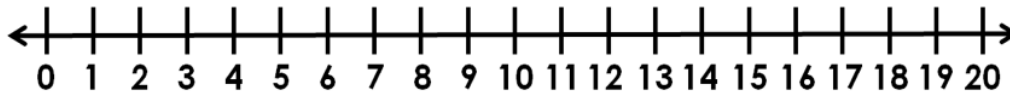
NUMBER LINE



NUMBER LINE



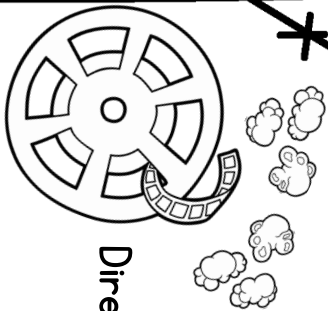
NUMBER LINE



©Julia Pacheco

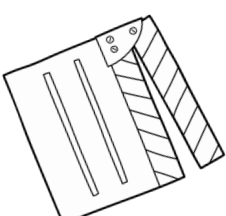
©Julia Pacheco

Name: _____ Date: _____



Friendship Using a Number Line

Directions: Use a number line to solve the equations. Draw your own Friendship Bond around the numbers you will solve first.



9 + 3 + 5 = ____

____ + ____ = ____



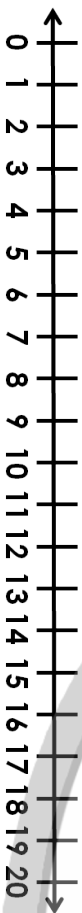
6 + 3 + 5 = ____

____ + ____ = ____



11 + 4 + 5 = ____

____ + ____ = ____



12 + 7 + 1 = ____

____ + ____ = ____



2 + 6 + 2 = ____

____ + ____ = ____



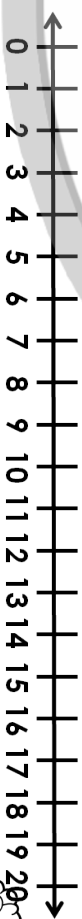
12 + 4 + 3 = ____

____ + ____ = ____



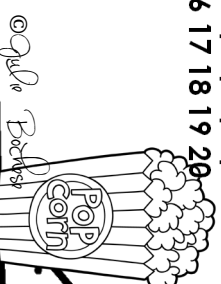
8 + 6 + 2 = ____

____ + ____ = ____



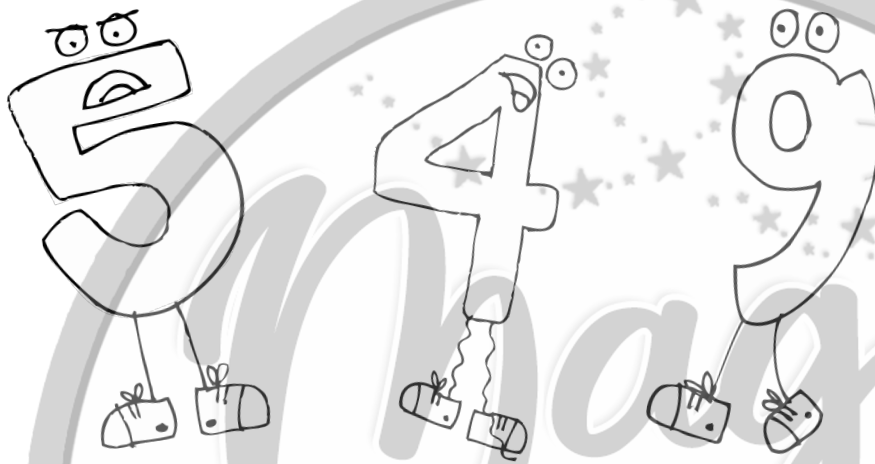
10 + 1 + 2 = ____

____ + ____ = ____

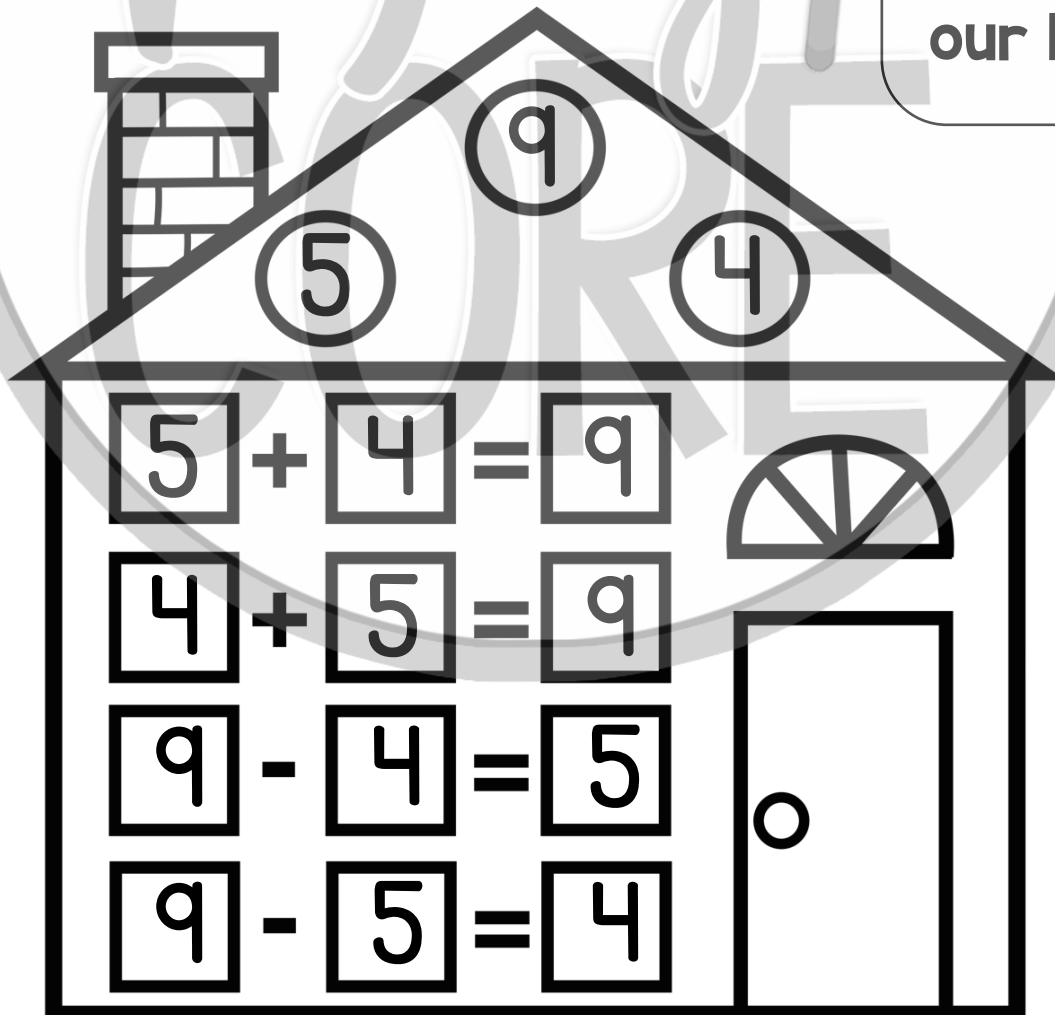


Fact Families

Fact Families are a group of numbers that are related, just like a family. They work together to make related addition and subtraction facts.



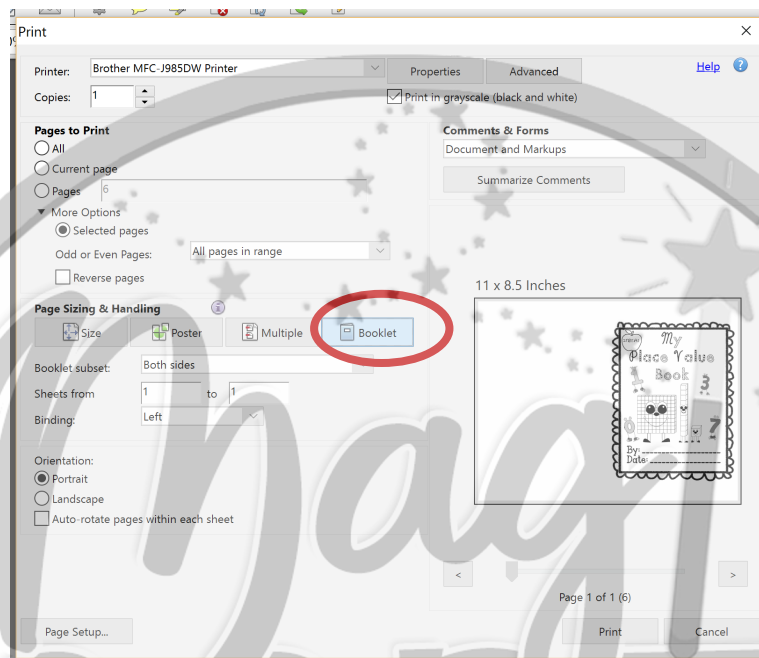
**We are a
Fact Family.
Welcome to
our home!**



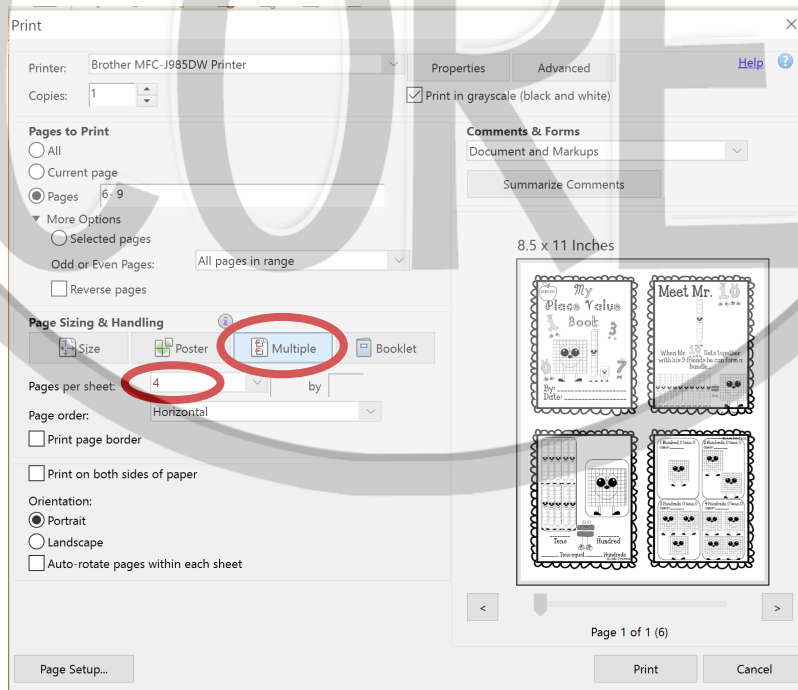
Mini Book Printing Tips

To save paper, you can print using the following options:

Half Page: Select “booklet” under sizing.



Mini Books (4 per page): Select “Multiple” under sizing. Select 4 per sheet.



Print as many pages as you would like to use Number of the Day.

Fact Family Neighborhood

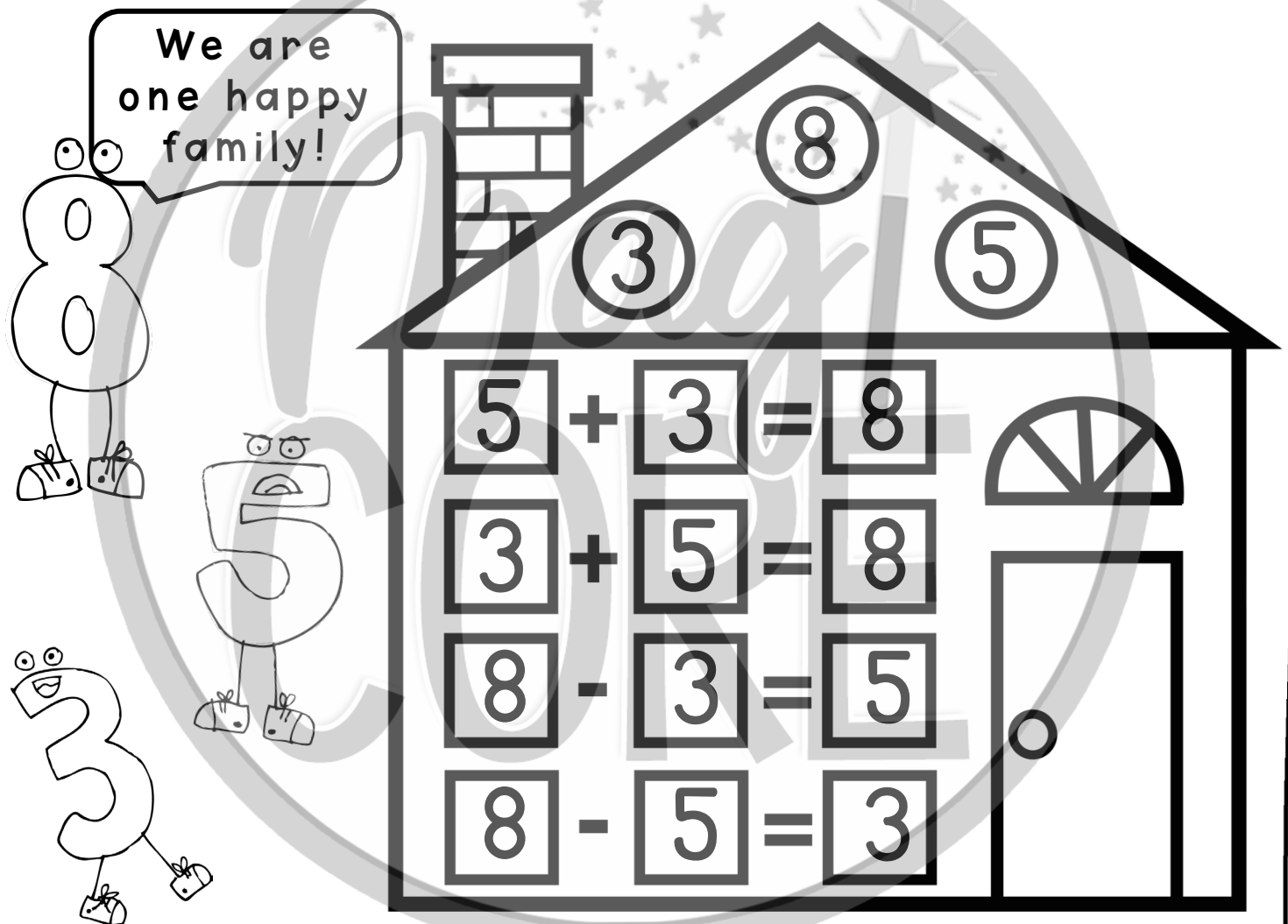
Properties of Operations



By: _____

Date: _____

Fact Families work together to make related addition and subtraction equations.



These equations are made up of the same numbers, but in a different order.

Name: _____

Date: _____

Fact Family Cut and Paste

Directions: Complete these Fact Families. Cut out the fact and paste it in the correct

Fact Family House.

Fact Family House	Fact Family House	Fact Family House	Fact Family House
14 9 5	12 8 4	20 13 7	17 11 6



$14 - 9 = 5$

$9 + 5 = 14$

$20 - 7 = 13$

$12 - 4 = 8$

$11 + 6 = 17$

$20 - 13 = 7$

$12 - 8 = 4$

$8 + 4 = 12$

$17 - 6 = 11$

$14 - 5 = 9$

$17 - 11 = 6$

$5 + 9 = 14$

$7 + 13 = 20$

$6 + 11 = 17$

$4 + 8 = 12$

$13 + 7 = 20$

Name: _____ Date: _____

Problem Solver

Solve the word problems. Write your answer in the box below.

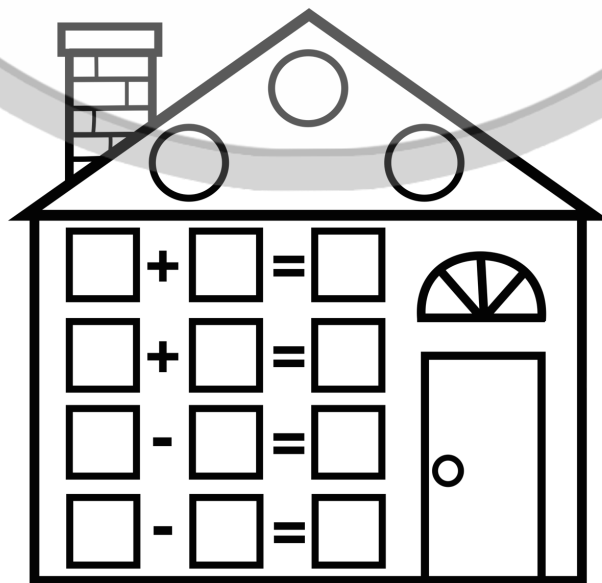
1. Eva picked 10 strawberries. Eva's brother picked 5 strawberries and their sister picked 3 strawberries. How many strawberries do Eva and her siblings have in all?

Use a Friendship Bond to solve the equation.

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

2. Gabe has 17 markers. 10 of his markers are black and 7 of his markers are purple. Write a Fact Family House for Gabe's Markers.



Name: _____ Date: _____

Property of Operations Scoot!

Directions:

1. Place one card at each student seat.
2. Pass out the answer sheet to each student. (You can also have them number a piece of notebook paper)
3. Students begin answering the question at their seats and recording the answer on the corresponding sheet.
4. When most students are done say "scoot" and students should move to the next seat (review with students how they should rotate before beginning.) Be sure they take their answer sheets with them!
5. Continue rotating until each student has answered each question.

*These cards can also be used as Task Cards in a center.

Properties of Operations Scoot!

Directions: Record your answer to each card on the line that matches the card number.

19. _____

20. _____

21. _____

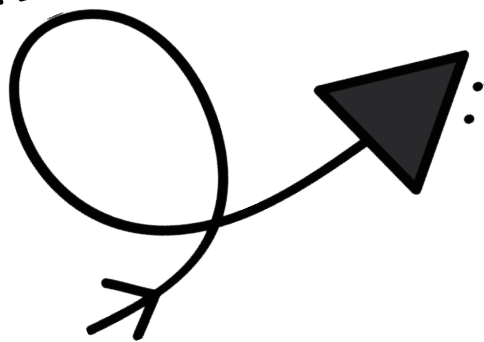
22. _____

23. _____

24. _____



SWITCHEROO!



FRIEND SHIP



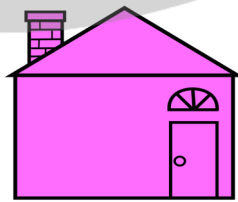
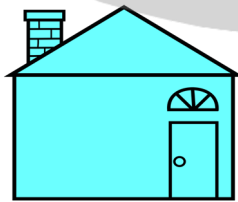
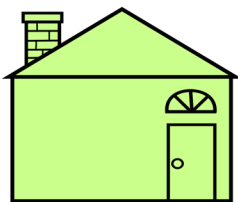
Fact Families Game

Directions:

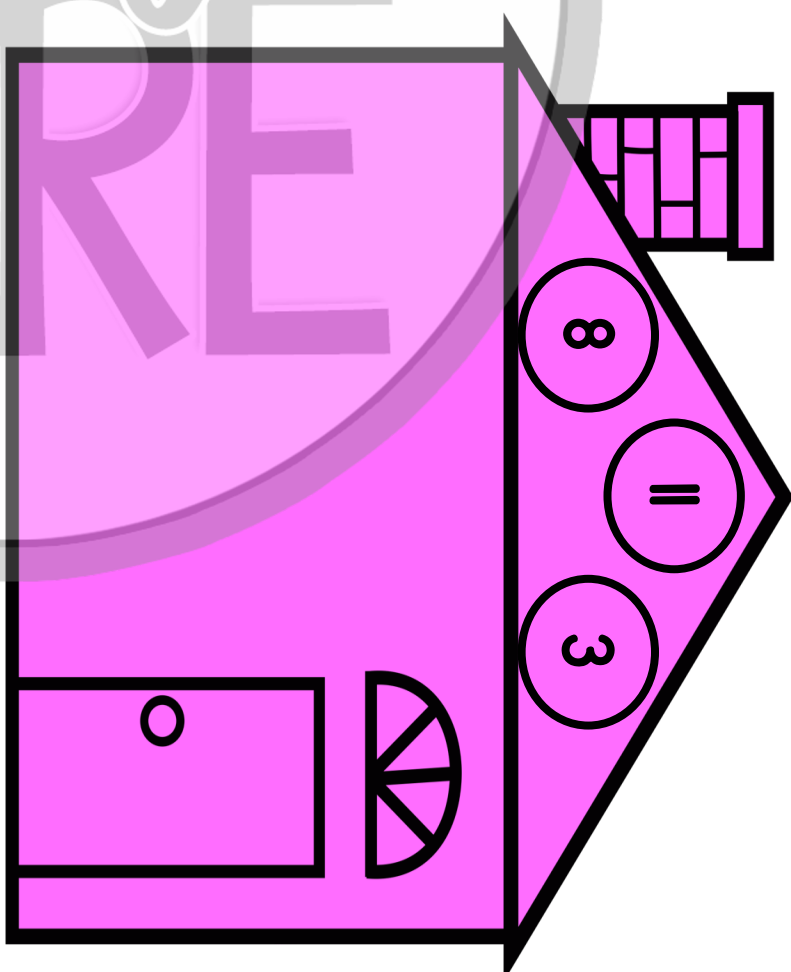
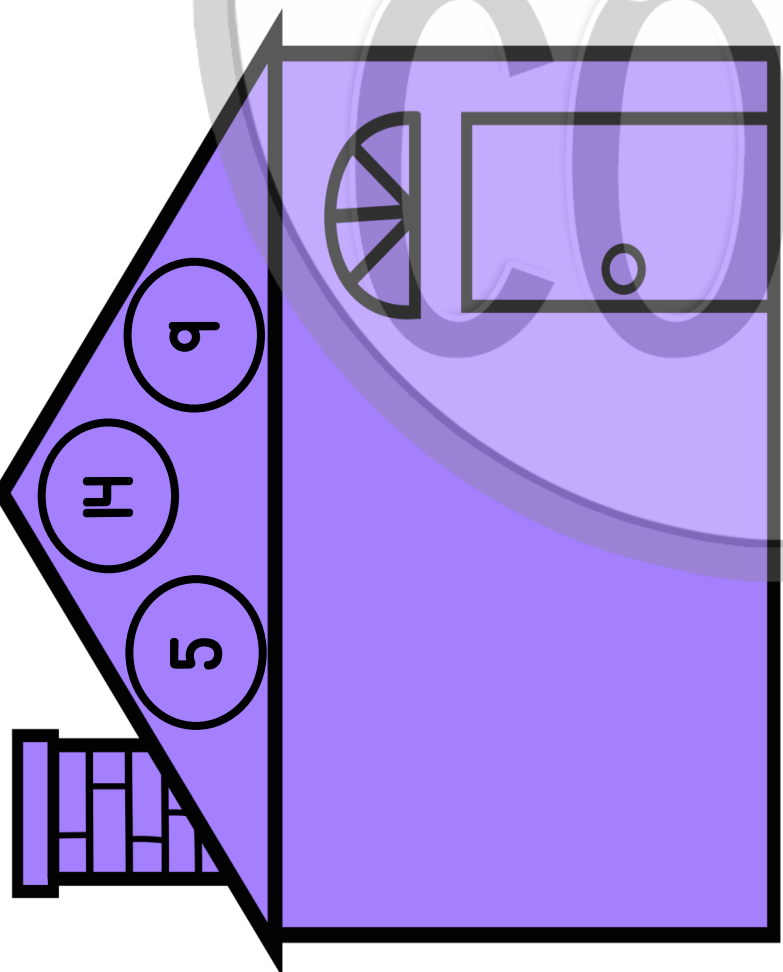
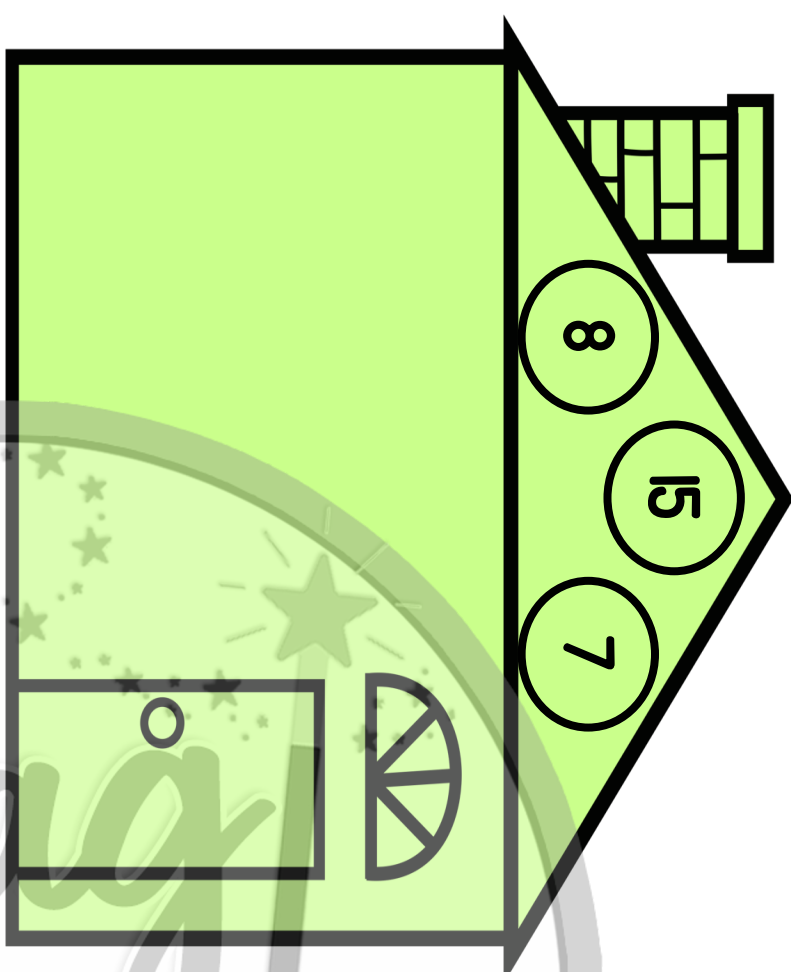
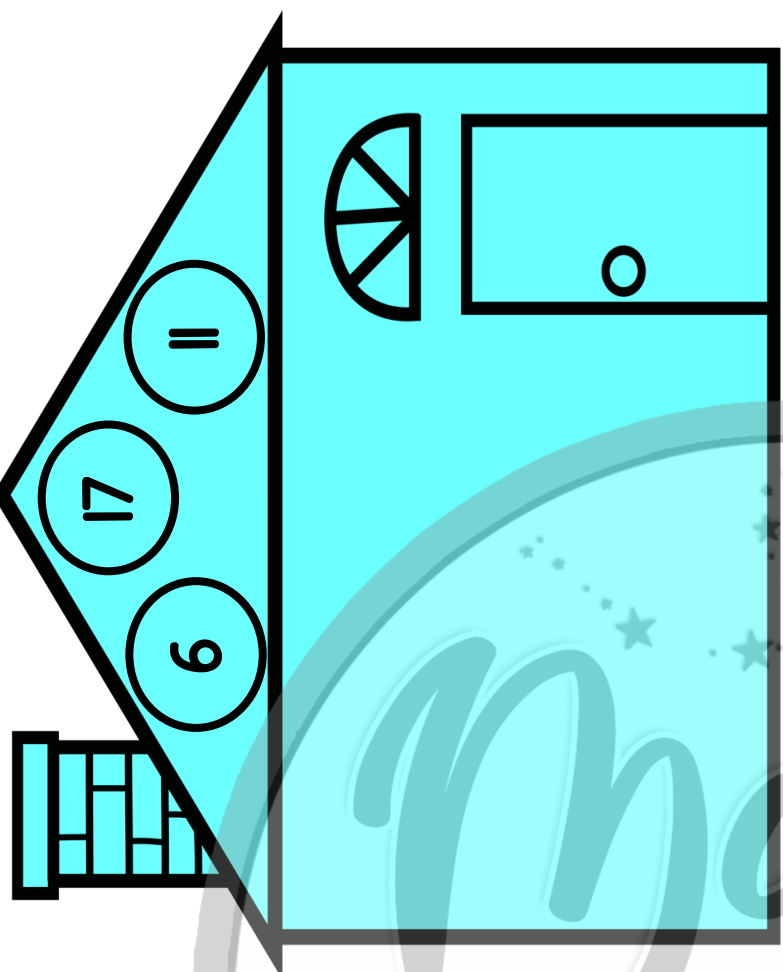
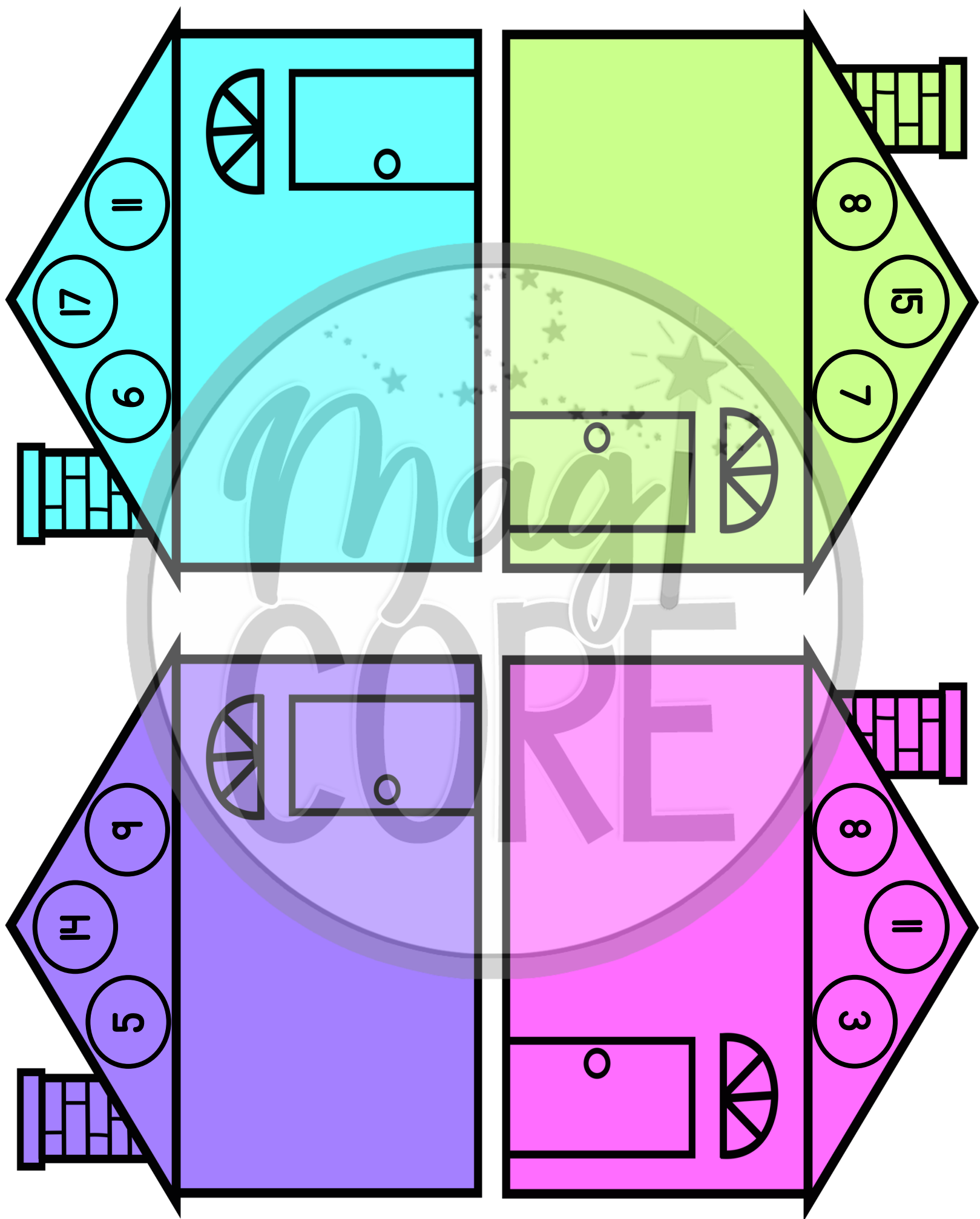
1. Print off the Fact Family Houses and equation cards.
2. Laminate and cut out.
3. Place all the Fact Family Houses and equation cards in a gallon-sized bag.
4. This game can be done individually or in pairs.

Label

Fact Families Game



Directions: Place the equations in their correct Fact Family House.



$$16 - 4 = 12$$

$$11 + 5 = 16$$

$$16 - 12 = 4$$

$$5 + 11 = 16$$

$$4 + 12 = 16$$

$$12 + 4 = 16$$

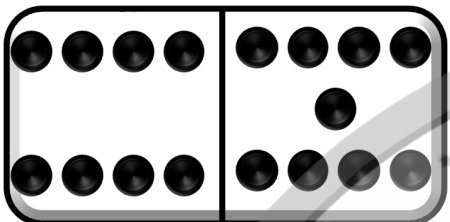
$$16 - 5 = 11$$

$$16 - 11 = 5$$

Properties of Operations Quiz

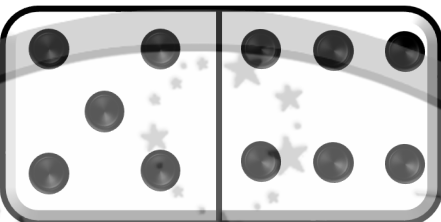
Use the Switcheroo strategy to write two equations from the domino.

1.



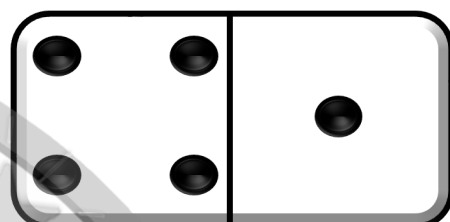
_____ + _____ = _____
 _____ + _____ = _____

2.



_____ + _____ = _____
 _____ + _____ = _____

3.



_____ + _____ = _____
 _____ + _____ = _____

Use the Friendship strategy. Solve the equations by solving the circled numbers first, and then solve for the sum.

4.

$(14 + 3) + 2 = \underline{\hspace{2cm}}$

 _____ + _____ = _____

5.

$(6 + 2) + 8 = \underline{\hspace{2cm}}$

 _____ + _____ = _____

6.

$(9 + 4) + 5 = \underline{\hspace{2cm}}$

 _____ + _____ = _____

Complete the Fact Family Houses.

7.

□ + □ = □	
□ + □ = □	
□ - □ = □	
□ - □ = □	

8.

□ + □ = □	
□ + □ = □	
□ - □ = □	
□ - □ = □	

Terms of Use



How Can I Use This Resource?

Thank you for trusting MagiCore. Our mission is to create resources that support teachers and promote student success. Please note that this resource is licensed for use by a single teacher in a classroom setting. If you need to use this resource with more than one teacher and/or across multiple classrooms, additional licenses are available at a discount. You can purchase additional licenses by visiting your TPT "Purchases" page and then selecting "Download Additional Licenses" or by contacting me at julie@magicorelearning.com.



Good to Go



Not O.K.

- Use this resource personally or with your own children.
 - Use this resource in your own classroom with your students.
 - Provide this resource to your students to use at your instruction.
 - Print and/or copy for use in your own classroom.
 - Provide printed pages to a substitute teacher with the sole purpose of instructing your students.
 - Share with your students via a secure document portal or electronic learning platform that requires individual user verification and limits access to only the students in your own classroom (e.g. Google Classroom).
 - Review this resource with others with the sole purpose of recommending it to others for purchase, provided you share one of the links below:
- Share with others to use personally.
 - Share with others to use in another classroom.
 - Print or copy any page(s) and distribute them to other teachers or other classrooms.
 - Publish or host online in a manner where any of the material is accessible to anyone who is not a student in your own classroom, including but not limited to personal, classroom, or district websites that are accessible to the general public.
 - Use this resource commercially (e.g. Outschool).
 - Publish, sell, or otherwise distribute this product to anyone in manner inconsistent with these terms of use.

<https://magicorelearning.com/>

<https://www.teacherspayteachers.com/Store/Magicore>

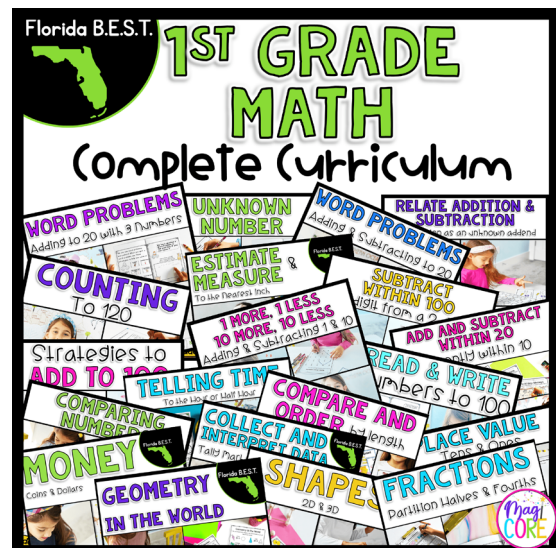
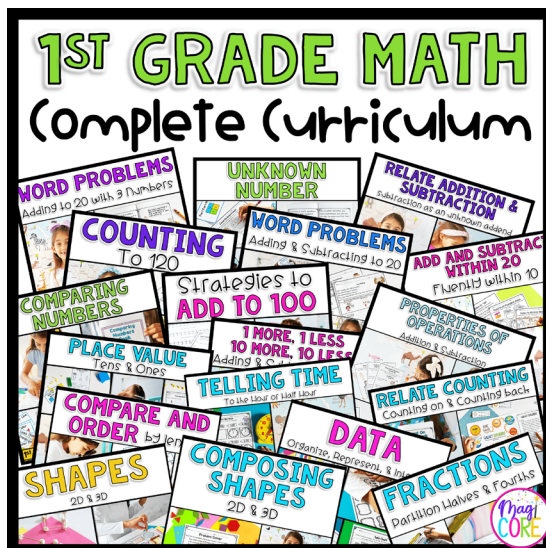
© Copyright 2013, 2022. All rights reserved. The unlicensed reproduction or distribution of this product is strictly prohibited. Permission is granted to the original purchaser or licensee to make copies to use with students and/or to assign to students digitally providing it is only available to students assigned directly to the purchaser. Using this product in any manner that makes it accessible to the general public is strictly forbidden. Commercial use, including but not limited to online or in person classes, is prohibited. Contact julie@magicorelearning.com for commercial licensing information. Sharing without permission or hosting online in a public manner is a violation of the Digital Millennium Copyright Act (DMCA). These terms may be updated at any time. You can see the most up to date Terms of Use at

<https://magicorelearning.com/terms-of-use>.

LET'S CONNECT!



LOOKING FOR MORE?



www.magicorelearning.com



DID YOU ENJOY THIS RESOURCE?

LEAVE US A REVIEW ON TPT

Reviews help other teachers know if this resource is a good fit for them.

Reviews also help our resources show up when teachers search!

- Head over to My Purchases to leave a review!
- Have a question? Have a problem with the resource? You can reach out to me directly so I can make it right.



[CLICK HERE TO LEAVE A REVIEW!](#)

CREDITS

<https://www.scrappindoodles.ca/>



www.magiccorelearning.com