



Equals Mathematics

Distance Learning Solutions

Equals Distance Learning Features

- Meets needs for teachers and for students & parents at home
- Web-based Equals Technology Lesson Center
- Parent-friendly activities linked to lesson concepts
- Identified hands-on materials typically found at home
- With or without access to technology
- AbleNet videos for teacher and parent training

Equals Training Options

Teachers

- Equals Fidelity Training Program series
- Support for Students with Significant Disabilities
- Equals Technology Lesson Center

Parents

- Equals Technology Lesson Center
- Parent Training Series



Solving Problems

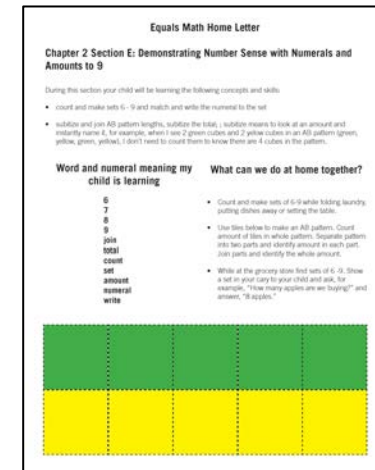
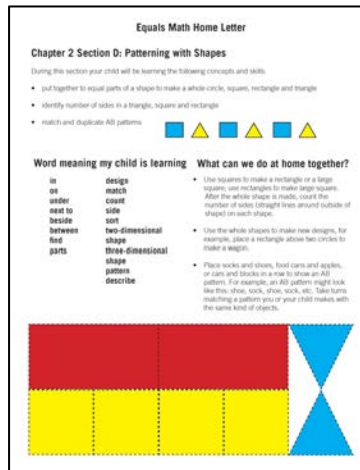
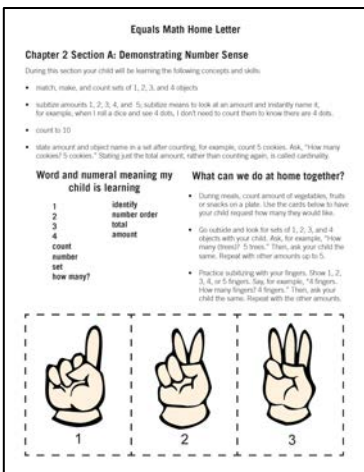
Which action and tool should I chose to use?

- **Counter top: too messy to cook**
- No cereal in my bowl
- Baking cake – put it into the fridge or oven
- All of my clothes are in the hamper



Equals School Closing Plan

- initial response to closing
- Parents: immediate access to learning at home with minimal direction
- Home Letters with home-based activities
- Links to Equals Tech Lesson Center + training: teachers, parents
- Assortment of materials for teachers to help them plan.



Distance Learning Challenges

We work with schools to meet needs as best we can

HOME

What is at home?

- computer
- Internet
- printer
- smart phone
- math tools
- assistive technology
- language access

SCHOOL

What do teachers have access to?

- Teachers Guides
- Members Only materials
- printed Equals Kit materials
- Equals manipulatives
- computer
- printer at school
- web-conferencing account

Equals Distance Learning Features

3 Options

- Equals Quick Access
- Equals Extension E-Learning
- Equals Focus on Review and Skill Maintenance
- Combination of options

Equals Quick Access

Instruction delivered via web-conferencing

- Equals Tech Lesson Center – live or recorded
- Live demonstrations & discussions: teacher
- Pre-recorded videos or slides: teacher

Concrete materials during lesson and practice provided by parents working with their child at home

Equals Technology Lesson Center with web-conferencing

The screenshot displays the 'Equals' web application interface within a browser window. The address bar shows the URL <https://equalstech3.ablenetinc.com>. The interface is divided into several sections:

- Left Sidebar:** Contains a search bar with the text 'divide' and a list of categories including Workmats, I Learned Workmats, Game Boards, Content Posters, Theme Posters, Student Tools, Number Notes, Switch Access, Vocabulary Cards, Action Cards, and Images. Below this, there are two columns labeled 'Edge' and 'Eight' showing various mathematical icons like an empty jar, equal groups of circles, and a circle divided into eight segments.
- Main Workspace:** Features a grid of ten empty square boxes arranged in two rows of five. Below the grid is a row of ten yellow circles, with a hand icon pointing to a small input field next to them. The text 'WORKMAT 14' and 'Equals' are visible at the bottom of this section.
- Right Panel:** Displays two mathematical concepts: 'divide' (represented by a diagram of 8 dots divided into 4 groups of 2) and 'equal groups' (represented by a diagram of 6 dots arranged in 3 groups of 2). Each concept has a 'VOCABULARY CARD' button below it.
- Bottom Bar:** Includes the 'Equals' logo, copyright information '© 2017 AbleNet, Inc.', a 'Clear All' button, and a 'Back' button.

Equals Extension E-Learning

Lesson(s) and Extension delivered via web-conferencing & at home

- Equals Tech Lesson Center – live or recorded
- Slides: AbleNet and teachers
- Live demonstrations and discussion: teacher
- Pre-recorded videos: teacher
- focus on lesson concept with teacher
- parent guides hands-on materials use during activity with teacher
- related Home Task follows with parent and student
- hands-on materials options found at home

Equals Extension E-Learning

Equals Extension E-Learning

Chapter 3 Section A: Compose and Decompose Amounts 2-5; Graphs

Vocabulary  <ul style="list-style-type: none">> join> separate> part> whole> total> identify> sort	Venn Diagram  <ul style="list-style-type: none">> set	Materials  <ul style="list-style-type: none">> computer	Equals Tech  <ul style="list-style-type: none">> Workmat 13, 18> Images (search): fish_goldfish, numbers (1 - 5), dice (1 - 5), cube_red, baseball, paper, cookie_swirl, cookie_triangle; star (for red, yellow, blue stars and pink and yellow star cookies)
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After Lesson 3.A.1

Equals Technology Lesson Center: place and lock Workmat 13 on workspace. Place 5 goldfish images to side of workmat. Place numbers 1 - 5 on workspace. Place three fish on whole amount on workmat. Say, "Three is the *whole set*." *Separate* fish into parts of 1 and 2. Say, "One and two are parts." Label each *part* with numerals. Rejoin fish and say, "Three is the *whole* amount." Repeat with *whole* amounts of 2, 4, and 5 by separating each possible way and rejoining the parts into the *whole* each time.

Home Task: Use materials found at home to **separate** a *whole* amount into parts (no more than 5 in the *whole set*). Use 3 placemats or sheets of paper to set up like Workmat 13 (2 parts & 1 *whole*). Student **names** the *whole*, separates *whole* into 2 parts & names each *part*. *Join* back into *whole*. Say amount together.

After Lesson 3.A.2

Equals Technology Lesson Center: place dice images 1-5 and numbers 1- 5 on workspace. Resize and duplicate 5 cube images on workspace. Show dice images with 2 and 3 dots. Place 1 cube on each dot of each image. Show and say amount on each part (2 and 3). Join cubes together below cards on workspace. Match *whole* amount with number and *identify* whole amount as 5. Repeat with whole amounts of 2, 3, and 4. Option: add audio tones to cubes by pressing note symbol above each image.

Home Task: Draw circles to copy dice images of 1-4 dots on index cards with one amount per card. Make 2 sets. Choose 2 parts (up to 5 total). Student **places** small object on each dot. Student **joins** the objects. **Say** the *whole* amount together. Keep cards for lessons.

After Lesson 3.A.3

Equals Technology Lesson Center: place and lock Workmat 13 on workspace. Resize and duplicate 5 baseball images on workspace. Resize and place paper image, dice images (1-5) and numbers (1- 5) on workspace. Show 3 baseballs. Say, "This is a set of three baseballs." Place baseballs on *whole* amount on Workmat 13. Place number and matching dice image below workmat. Separate whole into parts on workmat. Cover part (2 baseballs) with paper image. Say, "I see one baseball in the other part." Show visible part (1) and the other part (2) on dice image. Say, "The missing part is two baseballs." Move paper. Show each part. Say, "Two and one baseballs. Move to whole and identify amount is three." Repeat with other combinations to 5.

Home Task: **Play** a game. Place 5 objects on table. Separate *set* into 2 parts. Ask student to close eyes. Cover one part with a towel. Place dice card with *whole* amount on table. Ask student to **look** and tell you how many are under the towel. Move the towel to check. **Count** together. Then *join* the sets to count and *identify* the *whole* amount. **Take turns** placing the towel and guessing. Repeat with 2, 3, and 4 whole amounts.

After Lesson 3.A.4

Equals Technology Lesson Center: place and lock Workmat 18 on workspace. Place three stars, two star cookies, and two other cookie shapes on workspace. Using text box tool, label workmat: "cookies" below left circle and "stars" below right circle. *Sort* images on workmat into sets of stars and cookies. Show star cookies. Say, " This is a star and a cookie. The cookie shapes share the space for stars and cookies." Show center part of *Venn Diagram*. Place a star cookie in the middle. Repeat with remaining star cookies.

Home Task: Place 2 large circles on floor or table using hula hoops, rope, string, or yarn tied into two circles, or use chalk in driveway. Choose which *Venn Diagram* sorting sets to use (see list). Place one *set* on left side and second *set* on right side as indicated in lists. Move the two circles together in the middle so they have an overlapping empty middle space. Show how this is a shared space for the two circles. Place on object from either side that could be sorted into either right or left circle, for example, sports balls are placed with sports equipment on the left and all balls on the right. Putting it in the center means you are sorting them into a space that belongs to both of the circles.

Equals Extension E-Learning: Home Materials List

Chapter 3-A

Parents and Caregivers: A list of possible materials for this chapter is written below. Please discuss options with your child's teacher for Home Tasks and for following along with hands-on materials during Extension Activity. There is no need to gather everything listed in Options. Choose one item only from Options list in amount as directed. The choice of item is left up to you.

Lesson 3.A.1

During Extension Activity

set of 5 objects (see Options list below)

Home Tasks

join and separate sets from home (see Options list below)

Options: choose a set from first 5 sets listed

book set (up to 5 books)
set of 5 nesting bowls
5 crackers or cookies on a plate
toy collection (5 parts total)
other

Lesson 3.A.2

During Extension Activity

15 objects to place in same amounts as teacher
(see Options list below)

Home Tasks

index cards
markers
small objects to place on dots (see Options list below)

Options: 15 objects for amounts of 1, 2, 3, & 4

quarters
cotton balls
cereal pieces
pasta
cheese snacks
small candies
chocolate chips
mini cookies
Bingo chips
other

Lesson 3.A.3

During Extension Activity

set of 5 objects (see Options list below)
dice cards made in 3A2

Home Tasks

towel
set of 5 objects (see Options list below)
dice cards made in 3A2

Options: choose set of 5 objects

cereal pieces
junk mail envelopes
pens or markers
old keys
toy cars
game tokens
small toy figures
other

Lesson 3.A.4

During Extension Activity

none

Home Tasks

make Venn diagram with two circles using: hula hoops, rope, string, or yarn tied into two circles.

Options: choose one set of materials to sort

Set 1: different kinds of balls: sports, bouncy, super
sort in left circle: sports equipment, sports balls (tennis, ping-pong, basketball, football)
sort in right circle: bouncy & super balls with some sports balls
sort into middle from left & right: sports balls
Set 2: paper squares, square crackers, other cracker shapes
sort in left circle: paper squares, square crackers
sort in right circle: all cracker shapes, including squares
sort into middle from left and right: square crackers
Set 3: cookbooks, recipes, cooking tools, variety of books
sort in left circle: cook books, cooking tools, recipes
sort in right circle: all books, including cookbooks
sort into middle from left and right: cookbooks

Equals Extension E-Learning

Equals Extension E-Learning

Chapter 3 Section A: Compose and Decompose Amounts 2-5; Graphs

Vocabulary



- › join
 - › separate
 - › part
 - › whole
 - › total
 - › identify
 - › sort
- › Venn Diagram
 - › set

Materials



- › computer

Equals Tech



- › Workmat 13, 18
- › Images (search): fish_goldfish, numbers (1 - 5), dice (1 - 5), cube_red, baseball, paper, cookie_swirl, cookie_triangle; star (for red, yellow, blue stars and pink and yellow star cookies)

After Lesson 3.A.1

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Home Task: Use materials found at home to **separate** a *whole* amount into parts (no more than 5 in the *whole set*). Use 3 placemats or sheets of paper to set up like Workmat 13 (2 parts & 1 *whole*). Student **names** the *whole*, separates *whole* into 2 parts & names each *part*. *Join* back into *whole*. Say amount together.

Equals Extension E-Learning



Lesson 3.A.1

During Extension Activity

set of 5 objects (see Options list below)

Home Tasks

join and separate sets from home (see Options list below)

Options: choose a set from first 5 sets listed

book set (up to 5 books)

set of 5 nesting bowls

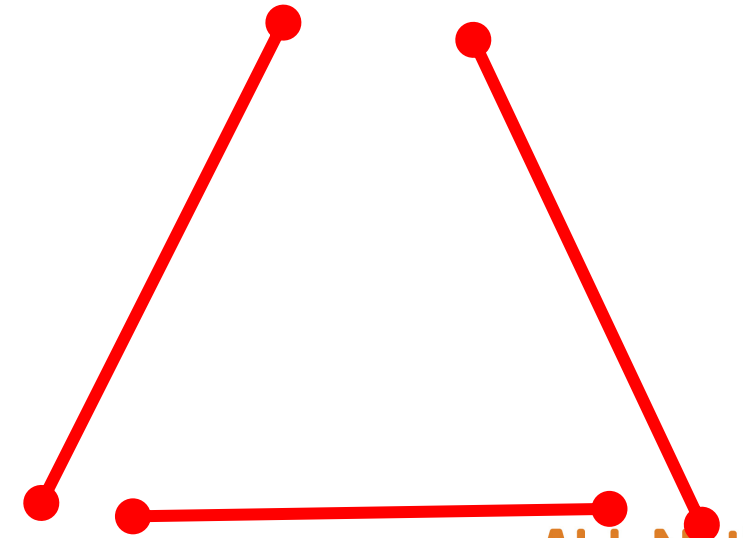
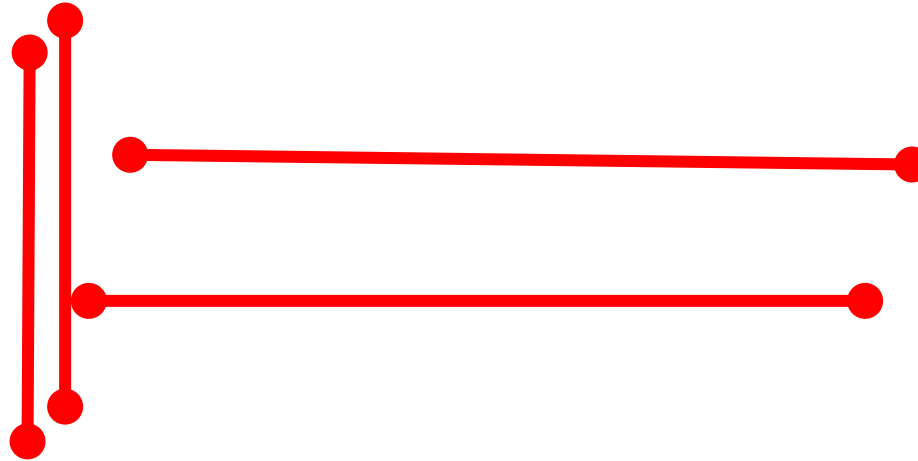
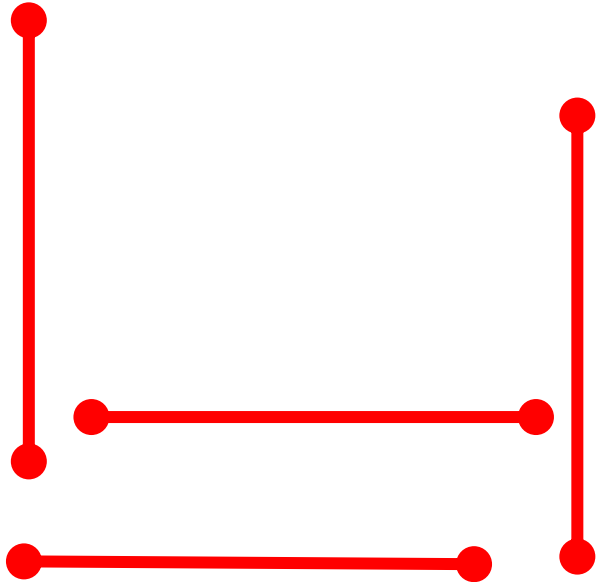
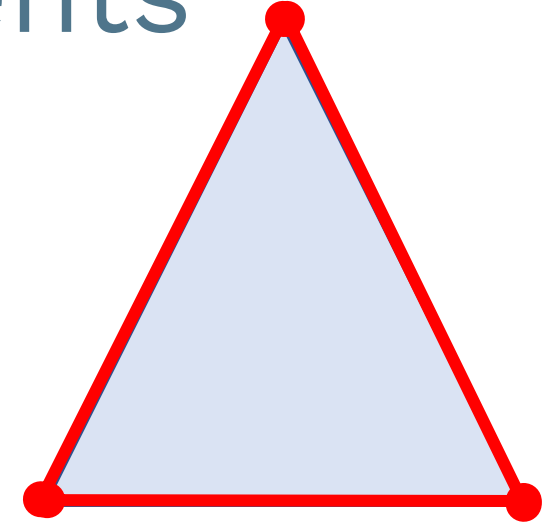
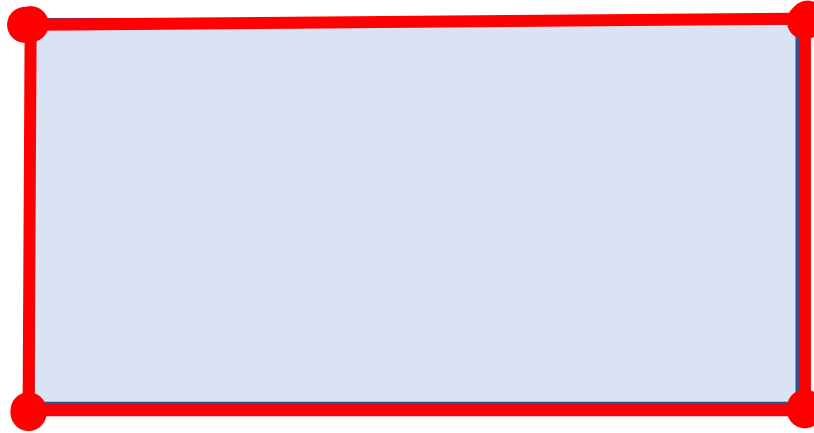
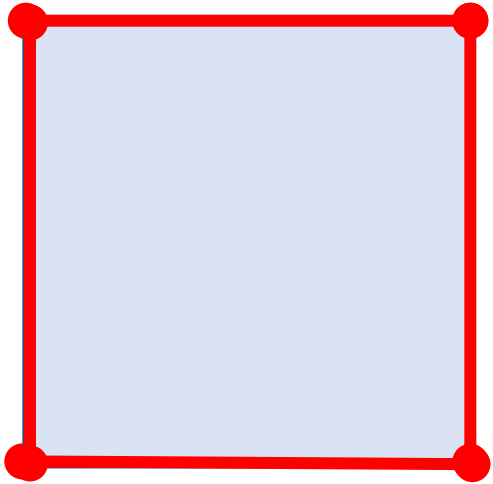
5 crackers or cookies on a plate

toy collection (5 parts total)

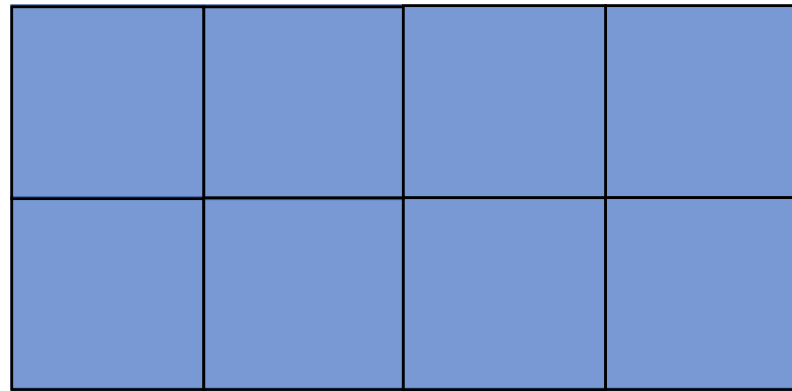
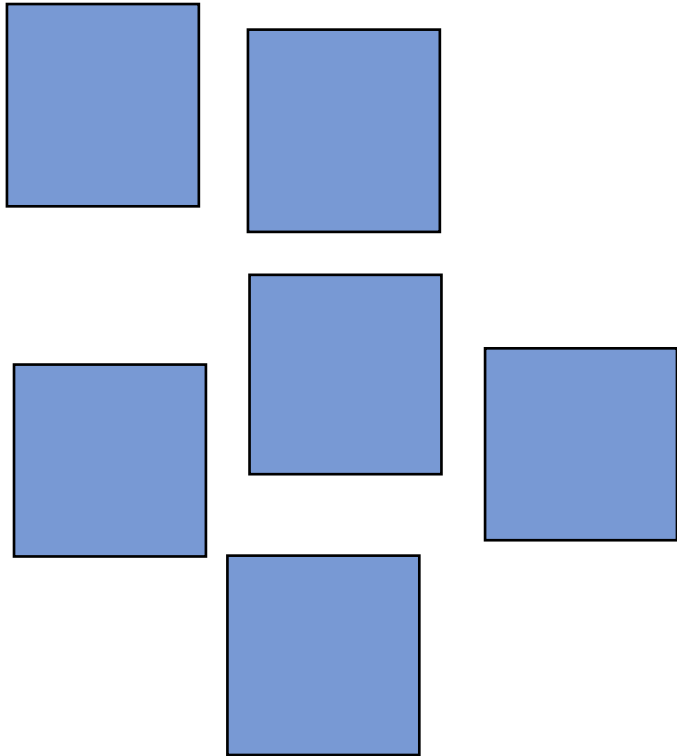
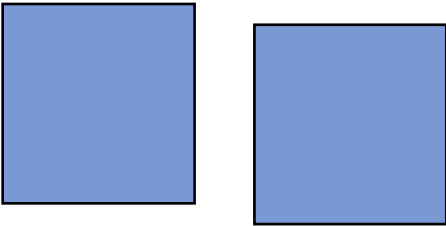
other

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Shapes and Line Segments



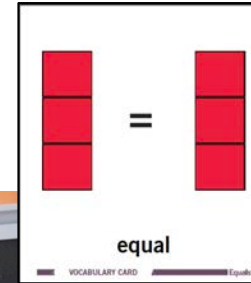
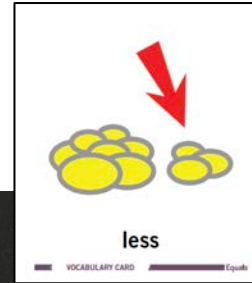
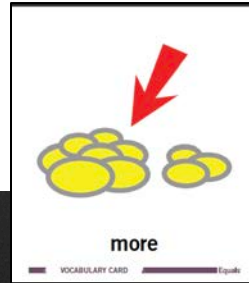
Parts and Whole Shapes



Copy and paste parts. Add new slides to limit amount on space as needed

More, Less, or Equal Weight?

3.D.3 & 3.D.4



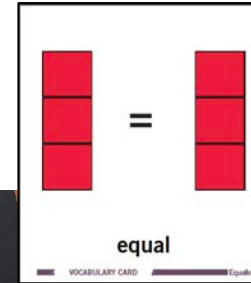
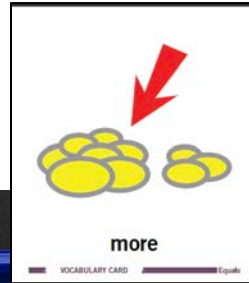
1 blue cube & 3 red cubes – click to see what happens



Click to identify weight that is more, less, or equal

More, Less, or Equal Weight?

3.D.3 & 3.D.4



3 blue cubes & 3 red cubes – click to see what happens



Click to identify weight that is more, less, or equal

Equals Review & Maintenance of Skill

- Review and Maintenance of Skill
- No Internet at home: paper-based delivery


[illegible][illegible]

Equals Math Home Letter

Chapter 3 Section A: Compare and Decompose Amounts 2 - 5; Graphs

During this section your child will be learning the following concepts and skills:

- compose and decompose (join and separate) amounts 2, 3, 4, and 5.
- use Venn Diagram to sort objects
- place data in a simple bar graph and compare the amounts



Venn Diagram


Word meaning my child is learning

join	set
separate	data
part	graph
whole	compare
total	more than
identify	less than
sort	equal to

Venn Diagram estimate

What can we do at home together?

- Place amount of blocks or small toys (2, 3, 4, or 5) on the whole space of the worksheet below. Ask your child to move an amount from that space to each part space. Talk about how many in each part. Then, join the parts and count the whole. Repeat with different amount in each part.
- Sort different objects into two sets (canned food, small boxes, trading cards, socks, DVDs). Line up each set into two rows, matching 1 to 1 so they can be compared. Compare, using words more than, less than, and equal to.




































Part

Part

Whole Amount

Whole Amount

3.A.2 addition amounts 2-5 by relating total of two-add settings up to five total

					
Sawyer	Sawyer	Alia	Alia		
					
Skye	Skye	Jacinta	Jacinta		
					
					
					
					
					
1	2	3	4	5	

+ access to pdf materials from Equals Kit: workmats, games, cards, posters

Equals Review & Maintenance of Skill

- Review and Maintenance of Skill
- No Internet at home: paper-based delivery
- Teaching has taken place – late in the year, ESY-friendly
- Reduces stress and burden on parent


Equals Review & Maintenance of Skill

- Review and Maintenance of Skill
- No Internet at home: paper-based delivery
- Teaching has taken place – late in the year
- Reduces stress and burden on parent
- Previous lesson access and all printed and student materials
- Relies on communication between parent and teacher

Equals Review & Maintenance of Skill

- Review and Maintenance of Skill
- No Internet at home.
- Teaching has taken place – late in the year
- Reduces stress and burden on parent
- Previous lesson access and all printed and student materials
- Relies on communication between parent and teacher
- Home Materials Options List
- Photos printed and sent
- Videos: smartphone, USB drive – ex. Cause and Effect

We work with schools to meet needs of student, parents, and teachers.

- Available resources  delivery and support
- Most effective solution possible
- For use with Equals revised version

*Don't have the latest version of Equals?

Contact AbleNet Curriculum Team: curriculum@ablenetinc.com



Equals Mathematics

Questions?

Contact a member of our curriculum team
at

curriculum@ablenetinc.com