A Story of Units®

Eureka Math[™] Grade K, Module 3

Student File_A

Contains copy-ready classwork and homework as well as templates (including cut outs)

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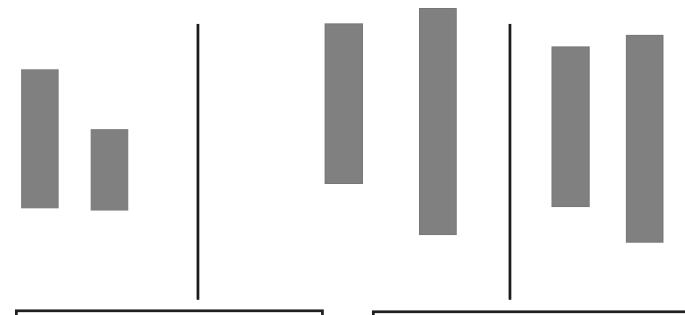
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10 9 8 7 6 5 4 3 2 1

Name	Date

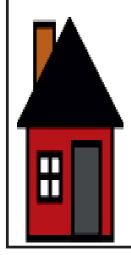
For each pair, circle the longer one. Imagine the paper strips are lying flat on a table.



Draw a flower that is taller than the vase.



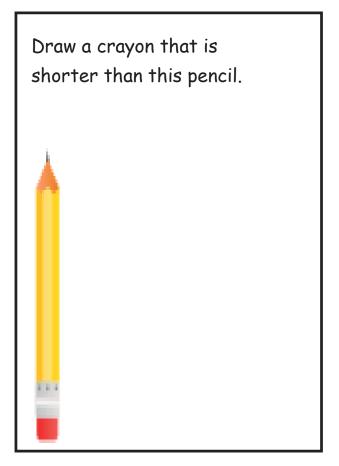
Draw a tree that is taller than the house.



For each pair, circle the shorter one.



Draw a bookmark that is shorter than this book.





No	ame	Date
	Draw 3 more flowers that are shorter than to Count how many flowers you have now. Write the box.	

Draw 2 more ladybugs that are taller than these ladybugs. Count how many ladybugs you have now. Write the number in the box.



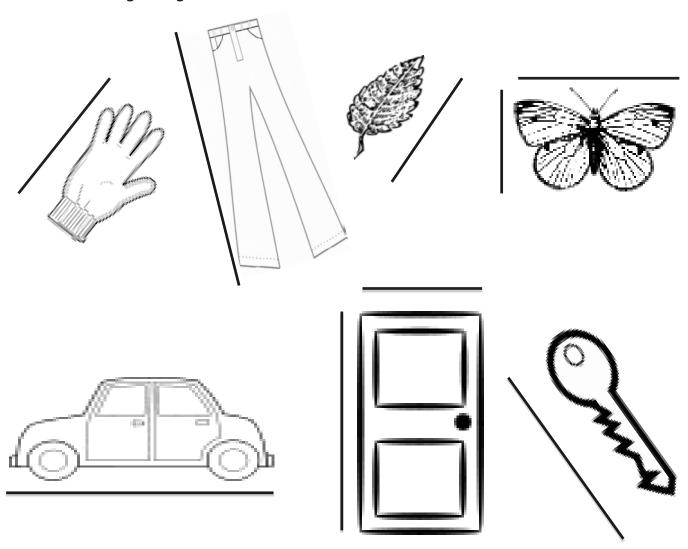


On the back of your paper, draw something that is taller than you. Draw something that is shorter than a flagpole.



Name	Date

Cut out the picture of the string at the bottom of the page. Compare the string with each object to see which is longer. Use the line next to each object to help you compare. Color objects shorter than the string green. Color objects longer than the string orange.



On the back of your paper, draw something longer than, shorter than, and the same length as the picture of the string. Color objects shorter than the string green. Color objects longer than the string orange.



Lesson 2:

Compare lengths measurements with string.

Name	Date
Using the piece of string from class, find than your piece of string and three items string. Draw a picture of those objects of thing that is about the same length as you back.	that are longer than your piece of n the chart. Try to find at least one
Shorter than the string	Longer than the string



Longer or Shorter Recording Sheet

These objects are longer than my string.	These objects are shorter than my string.
	· · · · · · · · · · · · · · · · · ·

longer or shorter



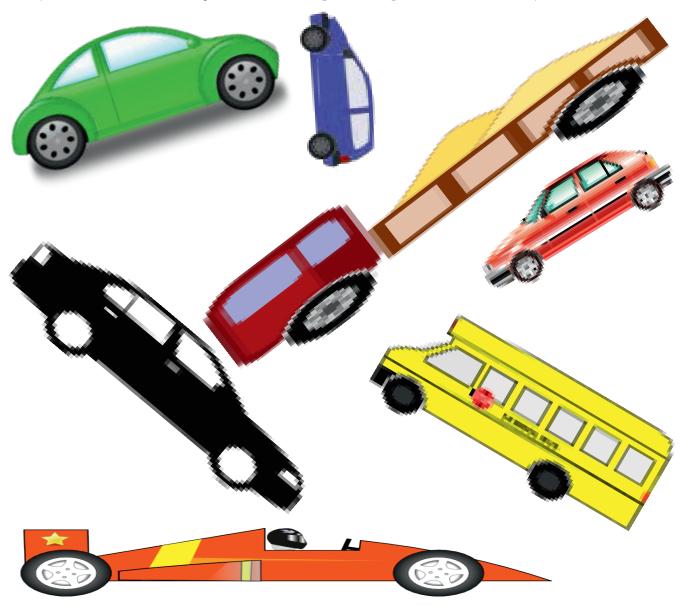
Lesson 2: Compare lengths measurements with string.

Name	Date
Home is where the he	ARRt is, matey.



Name	Date

Take out a new crayon. Circle objects with lengths shorter than the crayon blue. Circle objects with lengths longer than the crayon red.



On the back of your paper, draw some things shorter than the crayon and longer than the crayon. Draw something that is the same length as the crayon.



Lesson 3:

Make a series of longer than and shorter than comparisons.

Longer than...

Shorter than...

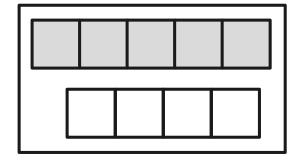
longer than and shorter than work mat



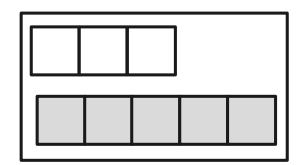
Lesson 3: Make a series of *longer than* and *shorter than* comparisons.

Name	Date	
'		

Circle the shorter stick.

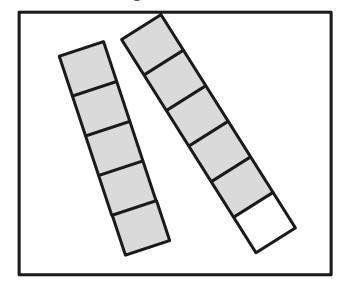


How many linking cubes are in the shorter stick? Write the number in the box.

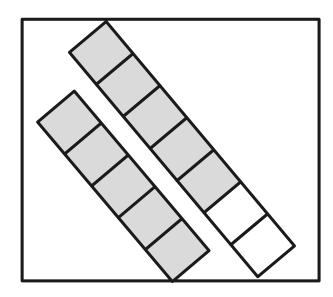


How many linking cubes are in the shorter stick? Write the number in the box.

Circle the longer stick.



How many linking cubes are in the longer stick? Write the number in the box.



How many linking cubes are in the longer stick? Write the number in the box



Lesson 4:

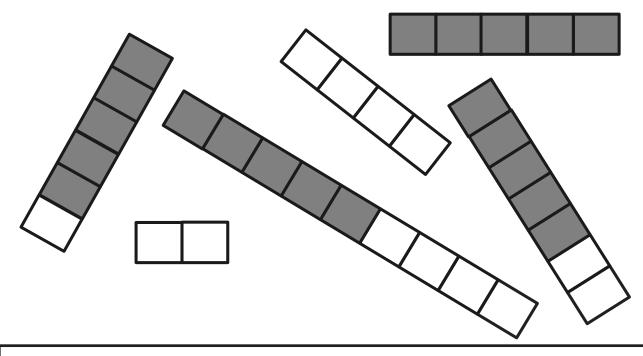
Compare the length of linking cube sticks to a 5-stick.

Draw a stick shorter than my 5-stick.								
Draw a st	ick lo	nger	than	mine.				_
Draw a st	ick s	orter	thar	n mine				_



Use a red crayon to circle the sticks that are shorter than the 5-stick.			
Shorrer main me s shek.			
		7	
	>		

Use a blue crayon to circle the sticks that are longer than the 5-stick.



On the back, draw a 7-stick. Draw a stick longer than it. Draw a stick shorter than it.



Lesson 4:

Compare the length of linking cube sticks to a 5-stick.

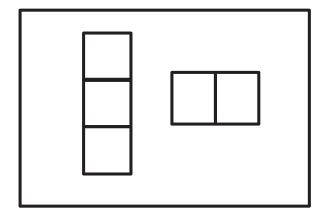
Longer than my 5-stick:		
Shorter than my 5-stick:		

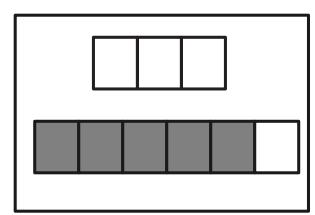
longer or shorter mat



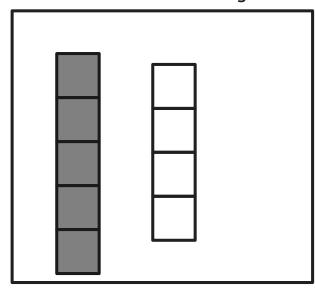
Name	Date
nume	Dute

Circle the stick that is shorter than the other.





Circle the stick that is longer than the other.

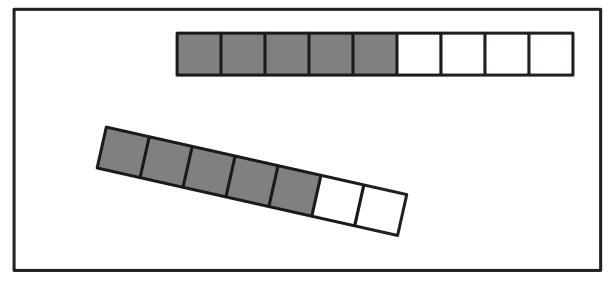


My _____ -stick is longer than my ____ -stick.

My _____ -stick is shorter than my ____ -stick.



Circle the stick that is shorter than the other stick.



My _____ -stick is longer than my ____ -stick.

My _____ -stick is shorter than my ____ -stick.

On the back of your paper, draw a 6-stick.

Draw a stick longer than your 6-stick.

Draw a stick shorter than your 6-stick.

OR

On the back of your paper, draw a 9-stick.

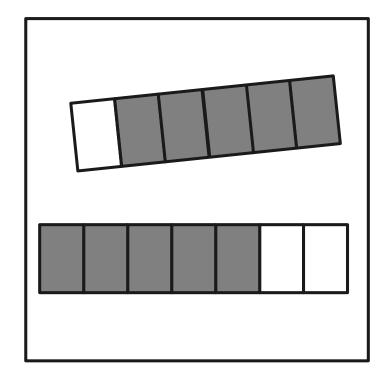
Draw a stick longer than your 9-stick.

Draw a stick shorter than your 9-stick.



Vame	Date
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Circle the stick that is shorter than the other.



My _____ -stick is shorter than my ____ -stick.

My _____ -stick is longer than my ____ -stick.

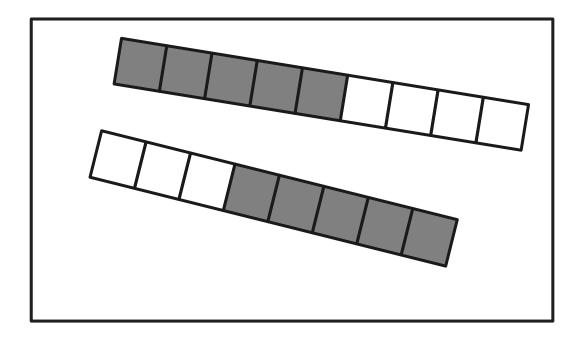
On the back of your paper, draw a 7-stick.

Draw a stick that is longer than the 7-stick.

Draw a stick that is shorter than the 7-stick.



Circle the stick that is longer than the other.



My _____ -stick is shorter than my ____ -stick.

My _____ -stick is longer than my ____ -stick.

On the back of your paper, draw a stick that is between a 4- and a 6-stick.

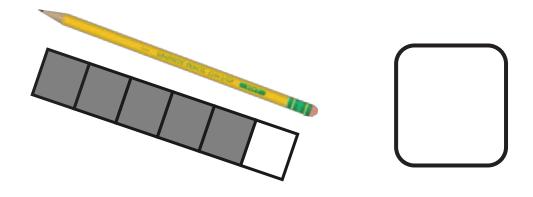
Draw a stick that is longer than your new stick.

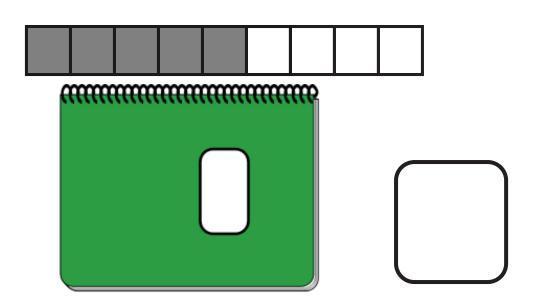
Draw a stick this is shorter than your new stick.



Name	Date
, 10,110	00,0

In the box, write the number of cubes there are in the pictured stick. Draw a green circle around the stick if it is longer than the object. Draw a blue circle around the stick if it is shorter than the object.







Lesson 6:

Compare the length of linking cube sticks to various objects.

Make a 3-stick. In your classroom, select a crayon, and see if your crayon is longer than or shorter than your stick.

Trace your 3-stick and your crayon to compare their lengths.

In your classroom, find a marker, and make a stick that is longer than your marker.

Trace your stick and your marker to compare their lengths.

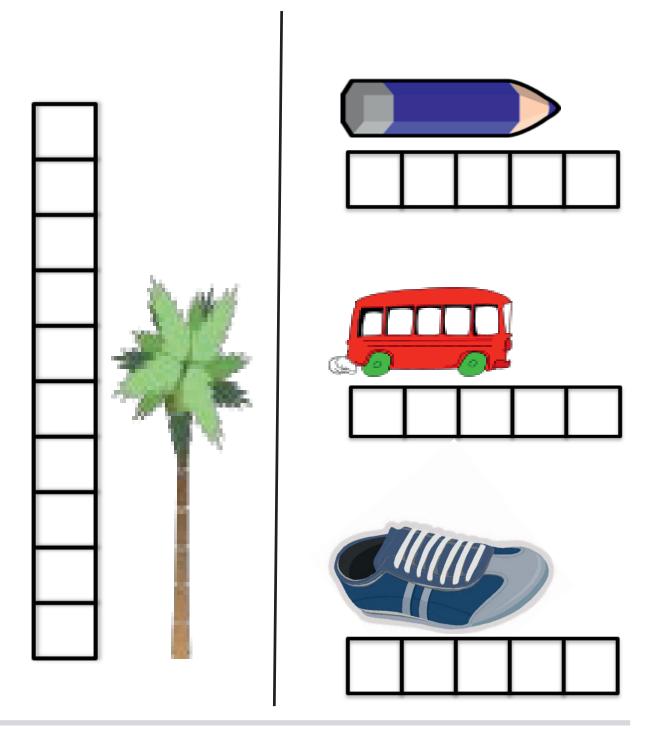
Make a 5-stick. Find something in the classroom that is longer than your 5-stick.

Trace your 5-stick and the object to compare their lengths.



Jame	Date
-------------	------

Color the cubes to show the length of the object.





Lesson 6: Compare the length of linking cube sticks to various objects.

lame Date			
These boxes represent cubes.			
Color 2 cubes red. Color 3 cubes green.			
How many cubes did you color? Is this stick the same length as the gray stick? YES NO Together 2 cubes and 3 cubes are the same length as 5.			
Color 1 cube red and the rest green.			
How many cubes did you color?			
Is this stick the same length as the gray stick? YES NO			
Together 1 cube and 4 cubes are the same length as			



Trace a 6-stick. Find something the same length as your 6-stick.

Draw a picture of it here.

Trace a 7-stick. Find something the same length as your 7-stick.

Draw a picture of it here.

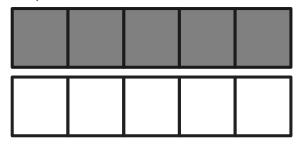
Trace an 8-stick. Find something the same length as your 8-stick.

Draw a picture of it here.



Name	Date
i vuille	Dute

These boxes represent cubes.



Color 2 cubes green. Color 3 cubes blue.

Together, my green 2-stick and blue 3-stick are the same length as 5 cubes.



Color 3 cubes blue. Color 2 cubes green.

Together, my blue 3-stick and green 2-stick are the same length as ___ cubes.





Color 1 cube green. Color 4 cubes blue.

How many did you color? _____



Color 4 cubes green. Color 1 cube blue.

How many did you color? _____



Color 2 cubes yellow. Color 2 cubes blue.

Together, my 2 yellow and 2 blue are the same as _____.



My 5:		
My:		
My:		

riddle work mat



My 5:	
Му:	
Му:	

riddle work mat



Name	Date
Which is heavier? Circle the object t	hat is heavier than the other.
0	

On the back, draw 3 objects that are lighter than your chair.

Name	Date	
Draw c	an object that would be lighter than the one in the picture	2 .





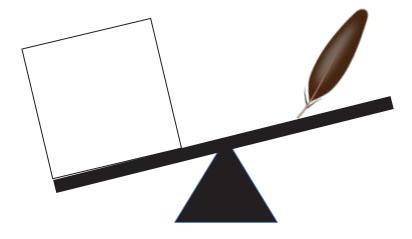


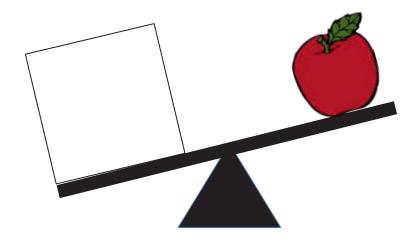




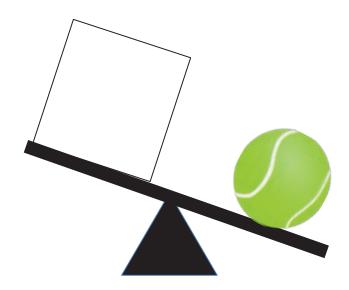
Name Da	te
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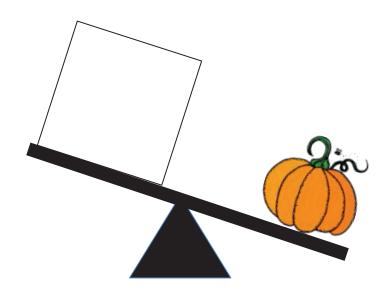
Draw something inside the box that is heavier than the object on the balance.





Draw something lighter than the object on the balance.





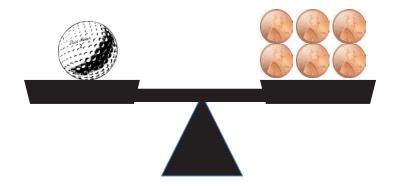


Name		Date
_	Lighter	Heavier

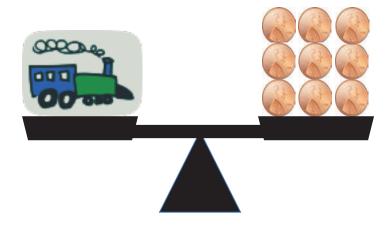
lighter or heavier recording sheet



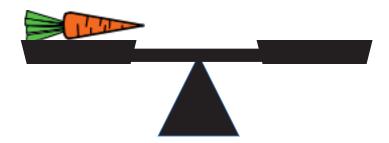
Name	Date



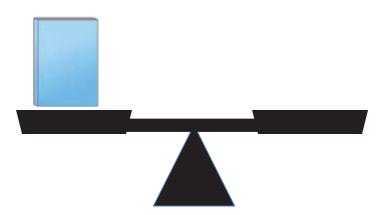
The golf ball is as heavy as _____ pennies.



The toy train is as heavy as _____ pennies.



Draw in the pennies so the carrot is as heavy as 5 pennies.



Draw in the pennies so the book is as heavy as 10 pennies.

On the back of your paper, draw a balance scale with an object. Write how many pennies you think the object would weigh. If you can, bring in the object tomorrow. We will weigh it to see if it weighs as many pennies as you thought.



Name	Date
	is as heavy as pennies.
as heavy as recording sheet	

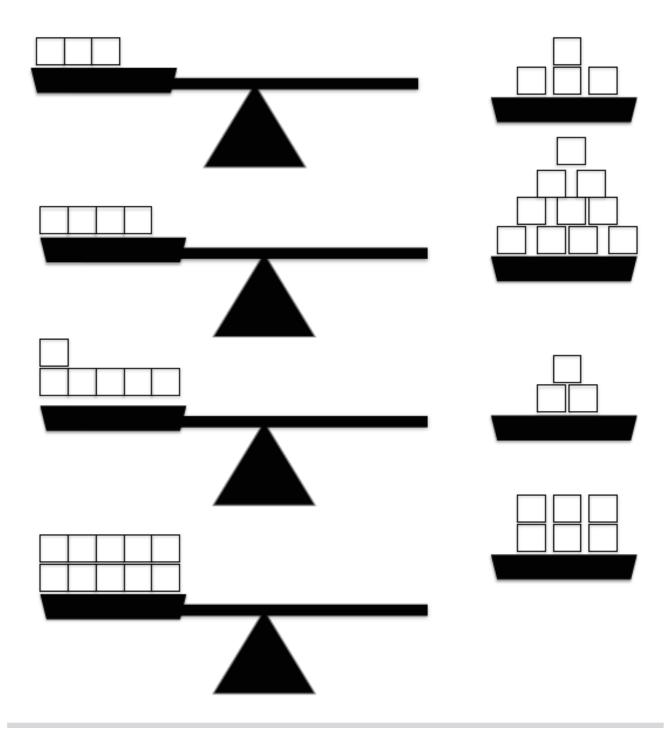


Lesson 10:

Compare the weight of an object to a set of unit weights on a balance scale.

Name	Date

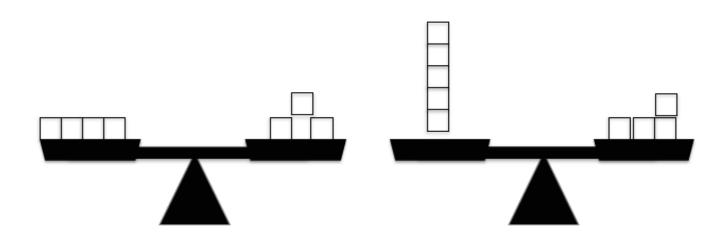
Draw a line from the balance to the linking cubes that weigh the same.

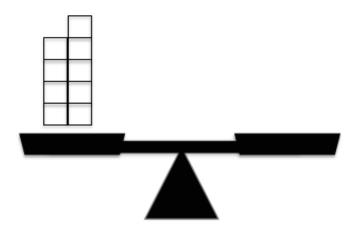


Name ____ Date ____

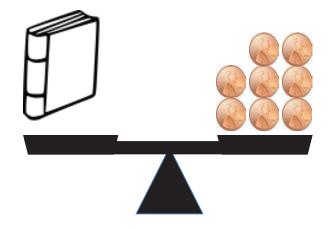
Draw linking cubes so each side weighs the same.



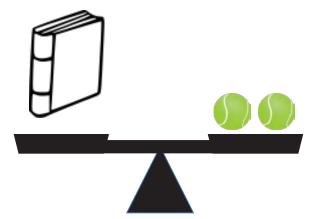




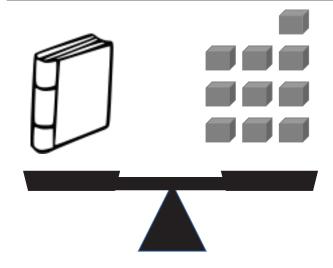
Name ____ Date ____



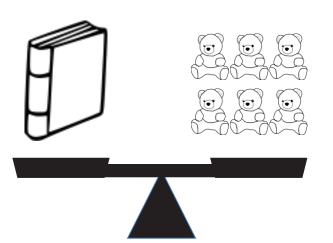
The book is as heavy as _____ pennies.



The book is as heavy as _____ tennis balls.



The book is as heavy as _____ cubes.



The book is as heavy as _____ counting bears.

Name		Date
Му	is as heavy as a set of	
Му	is as heavy as a set of	
Му	is as heavy as a set of	
Му	is as heavy as a set of	

as heavy as a set recording sheet



Name	Date
10110	<i>5</i> 415

Talk to your partner about which container might have more or less capacity. Which might have about the same capacity? What happens if the containers are not filled up to the top? Can we tell that they are filled completely from looking at the pictures?

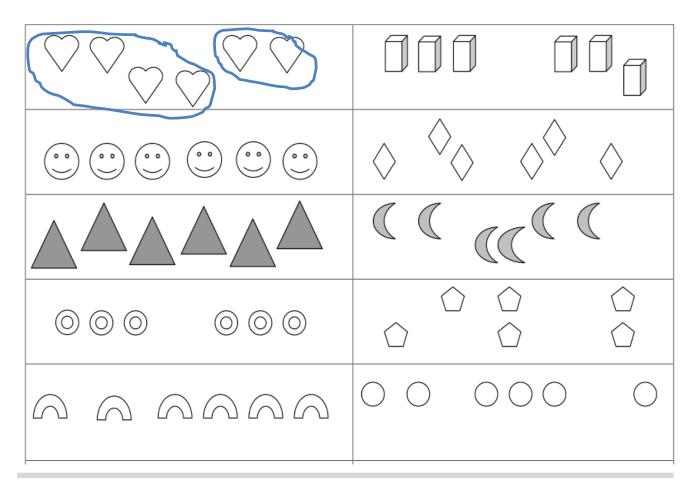


Name Date

In class, we have been working on capacity. Encourage your child to explore with different-sized containers to see which ones have the biggest and smallest capacity. Children can experiment by pouring liquid from one container to another.

All the homework you will see for the next few days will be a review of skills taught from Module 1.

Each rectangle shows 6 objects. Circle 2 different sets within each. The two sets represent the two parts that make up the 6 objects. The first one has been done for you.





Name	Date
I found out that this container held the mos	st rice.
It had the biggest capacity.	
I found out that this container held the lea	st rice.
It had the smallest capacity.	

capacity recording sheet



Name	Date
------	------

Within each rectangle, make one set of 6 objects. The first one has been done for you.

0 0 0 0 0



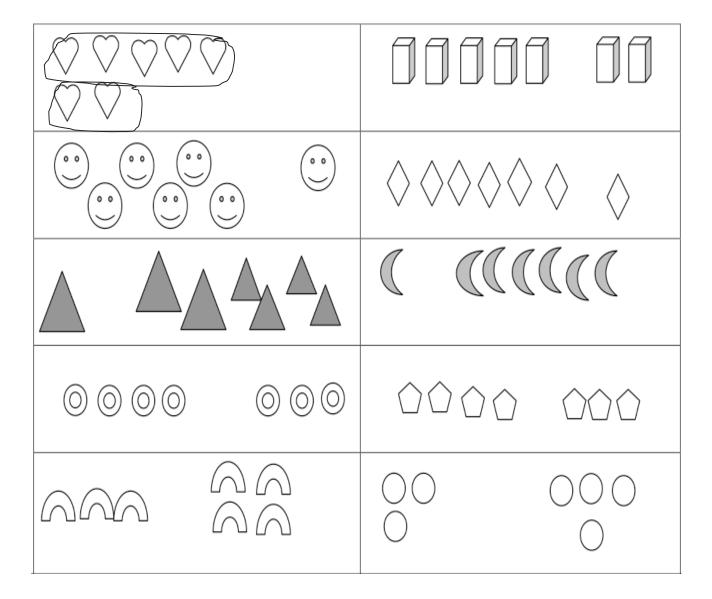
Name	Date
My cup of rice looks like:	
Now it looks like:	
Now it looks like:	
Now it looks like:	
volume recording sheet	

EUREKA MATH

Lesson 14: Explore conservation of volume by pouring.

	Name	Date
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Circle 2 sets within each set of 7. The first one has been done for you.





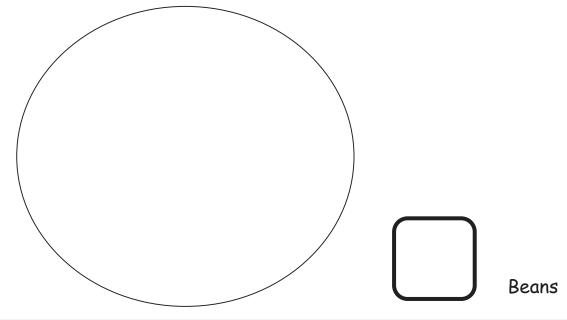
Name	Date
We've	e Got the Scoop!
	is the same as scoops.
	is the same as scoops.
	is the same as scoops.
scoops is the so	ime as
scoops is the so we've got the scoop recording sheet	ime as



Lesson 15: Compare using the same as with units.

Name	Date
Cover the shape with square	es. Count how many, and write the number in
the box.	
	Squares

Cover the shape with beans. Count how many, and write the number in the box.





Lesson 16: Make informal comparison of area.

Name	Date

Trace your hand. Cover the tracing with pennies. Have an adult trace his or her hand. Cover the tracing with pennies.* Whose hand is bigger? How do you know that?

*Note: Instead of pennies, you can use pasta, beans, buttons, or another coin. You may want to do this activity twice using different materials to cover the hands. Talk about which materials took more or less to cover and why.



Lesson 16: Make informal comparison of area.

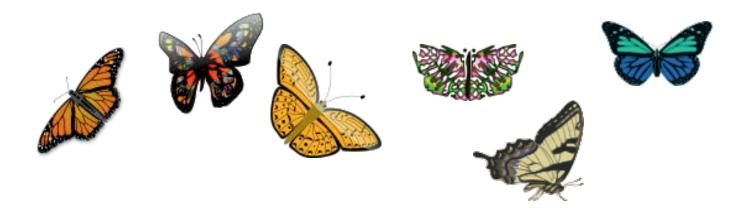
Jame	Date
My square.	My square covered with a circle.
My square covered with little squares.	My square covered with beans.
ny square recording sheet	



Lesson 16: Make informal comparison of area.

Name	Date
, 10,110	00,0

Draw straight lines with your ruler to see if there are enough flowers for the butterflies.





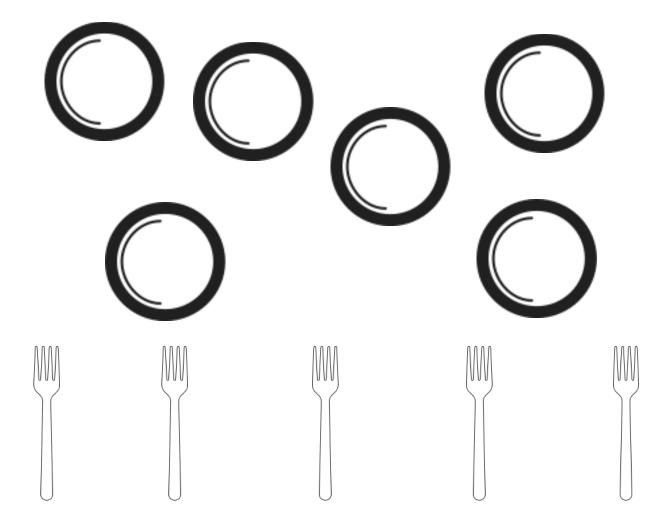
On the back, draw some plates. Draw enough apples so each plate has one.

Name	Date
1 101110	54,5

Draw straight lines with your ruler to see if there are enough shovels for the pails.

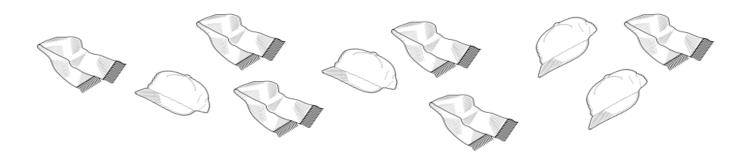


Make sure there is a fork for every plate. Draw straight lines with a ruler from each plate to a fork. If there are not enough forks, draw one.



You have 4 fishes. Draw enough fish bowls so you can put 1 fish in each fish bowl.

Name ____ Date ____



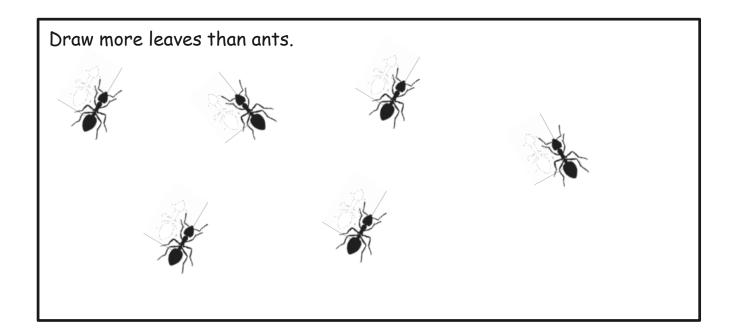
Draw straight lines with your ruler to see if there are enough hats for the scarves.

Are there more

notice now.



Cross off by putting an X on 2 \bigcirc . Talk to your partner about what you





Name ____ Date ____



Draw straight lines with your ruler to see if there is one hoop for each ball.

Are there more Write the number of Write the number of . Write the number of .







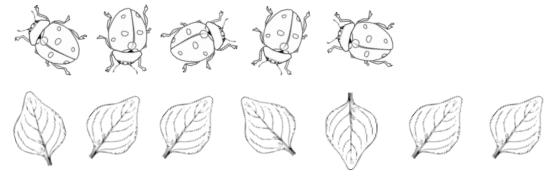
Are there the same number of as ? Circle Yes or No.





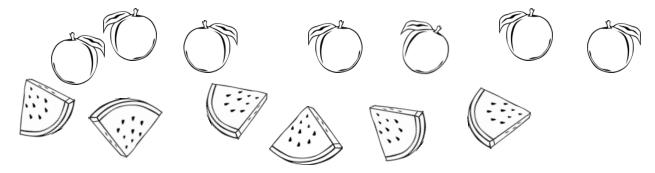
Name	Date
, 10,110	00,0

Count the objects. Circle the set that has fewer.



Draw more ladybugs so there are the same number of ladybugs as leaves.

Count the objects. Circle the set that has fewer.



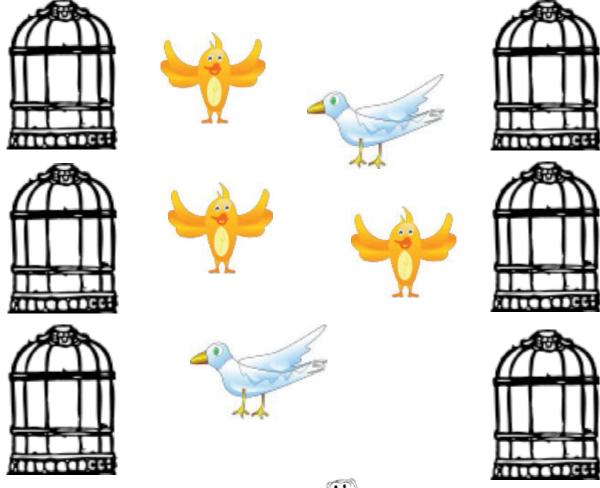
Draw more watermelon slices so there are the same number of watermelon slices as peaches.

On the back, draw suns and stars. Draw fewer suns than stars.



Name	Date
, 10,110	00,0

Draw another bird so there are the same number of birds as bird cages.



On the back of your paper, draw 5 dogs





Draw dog houses so there are fewer dog houses





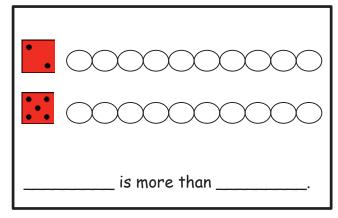


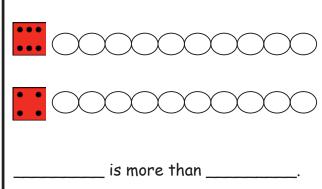
so there are the same number of bones as dogs 60.



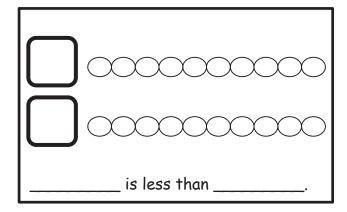
Name	Date	

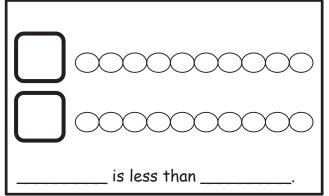
Count the dots on the die. Color as many beads as the dots on the die. Circle the longer chain in each pair.





Roll the die. Write the number you roll in the box, and color that many beads. Roll the die again, and do the same on the next set of beads. Circle the chain with fewer beads.





On the back, make more chains by rolling the die. Write the number you rolled, and then make a chain with the same number you rolled.



Lesson 20:

Relate more and less to length.

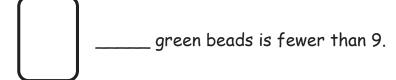
Name	Date
On the first chain, color On the next chain, color How many beads did you	
	red beads is more than 3.
	fewer than 5 beads yellow. color yellow? Write the number in the box.
	yellow beads is fewer than 5.
	Color 2 beads brown in the first column. Color more than 2 beads blue in the second column. How many beads did you color in the second column? Write the number in the box. blue beads is more than 2.



Color 9 beads red in the first column.

Color fewer than 9 beads green in the second column.

How many beads did you color in the second column? Write the number in the box.

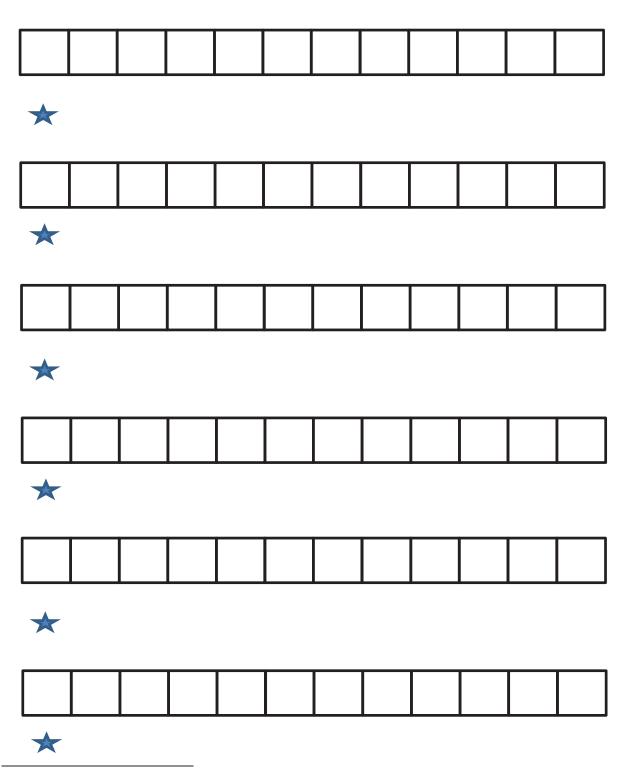


Draw a chain with more than 3 beads but fewer than 10 beads.

Draw a chain that has fewer than 10 beads but more than 4 beads.



Lesson 20: Relate more and less to length.



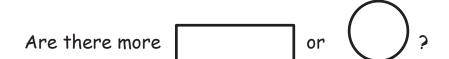
square path letter trains



Name	Date	
Color the shapes. Count how Write the number next to the	many of each shape is in the shape robot. se shape.	
Red		
Yellow		2
Green		
Orange		



Look at the robot. Color the shape that has more.



Are there more

Look at the robot. Color the shape that has fewer.

Are there fewer

Are there fewer

Are there fewer



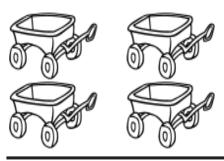
Name	Date
Name	Bala

Which has more? The or or?





Circle the set that has more.





Which has fewer? The 📗 or 🚏 ?





Circle the set that has fewer.



















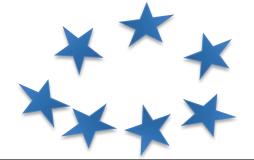


Which has fewer? The \star or (?



Circle the set that has fewer.





On the back of your paper, draw a set of 5 books. Draw some apples. Are there fewer apples or fewer books?

Lesson 21:

Compare sets informally using more, less, and fewer.

Name	Date
Draw a shape to make the sentence true.	
There are morethan	
There are fewer than	
There are fewerthan	
more than, fewer than recording sheet	



Name Date

Count the objects in the box. Then, draw the same number of circles in the empty box.

分分分分	

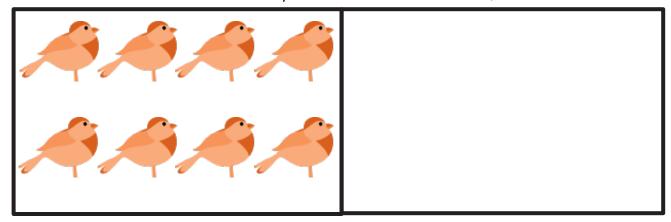


Draw a set of objects in the first bo Have your partner draw the same nu	

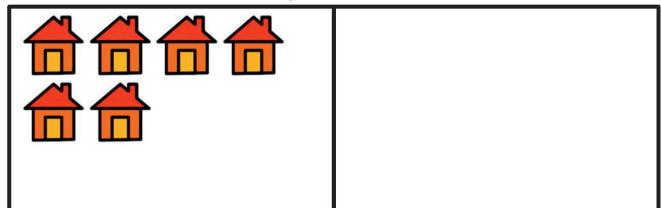


Name Date

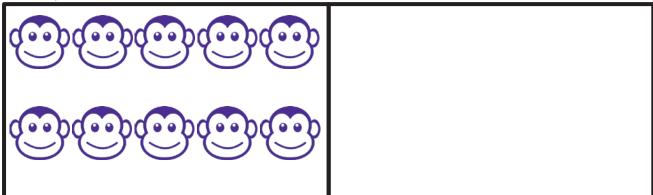
Count the birds. In the next box, draw the same number of nests as birds.



Count the houses. In the next box, draw the same number of trees as houses.



Count the monkeys. In the next box, draw the same number of bananas as monkeys.



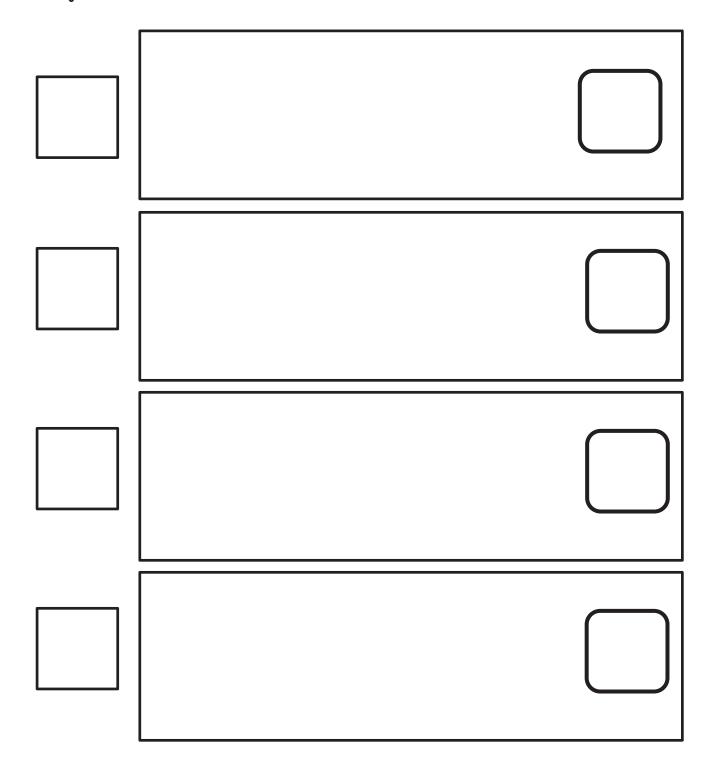
On the back of your paper, draw some pencils. Then, draw a crayon for each pencil.



Name	Date
How many snails?	Draw 1 leaf for every snail and 1 more leaf. How many leaves?
How many pterodactyls?	Draw 1 fish for every pterodactyl and 1 more fish. How many fish?
How many squirrels?	Draw 1 acorn for every squirrel and 1 more acorn. How many acorns?
How many pigs?	Draw 1 piece of corn for every pig and 1 more piece of corn. How many pieces of corn?



Roll the die. Draw the number of dots in the first box. Then, draw a set of objects that has 1 more. Write the number in the box.





Name	Date
How many cats?	
Draw a ball for every cat and 1 more ball.	
How many balls?	
How many elephants?	
Draw a peanut for every elephant and 1 more	peanut.
How many peanuts?	



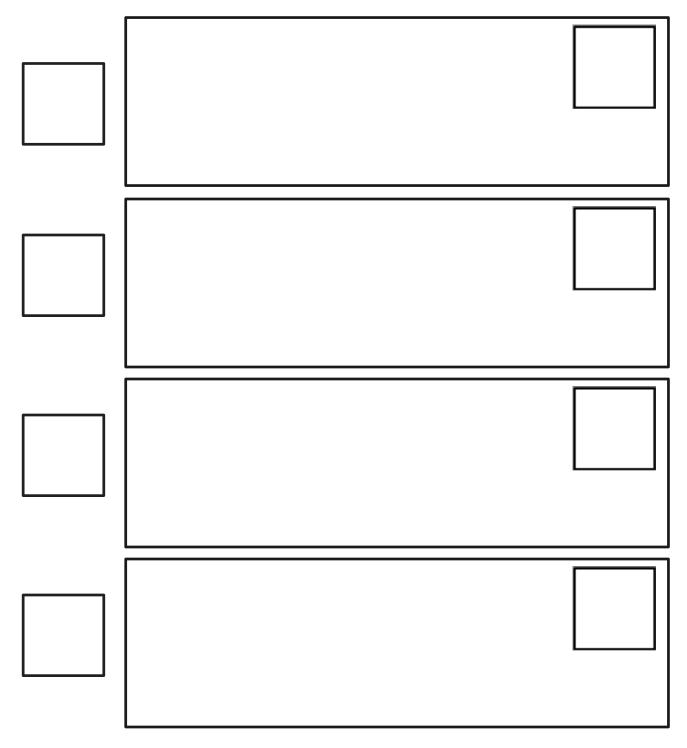
Name	Date	

As you work, use your math words less than.

How many kites?	Draw a set of suns that has 1 less. How many suns?
How many hot air balloons?	Draw a set of clouds that has 1 less. How many clouds?
How many octopi?	Draw a set of sharks that has 1 less. How many sharks?
How many chicks?	Draw a set of worms that has 1 less. How many worms?



Roll the die.	Draw the num	ber of dot	s in the [.]	first box.	Then,	make a	set
of objects th	nat has 1 less.	Write the	number	in the box	•		





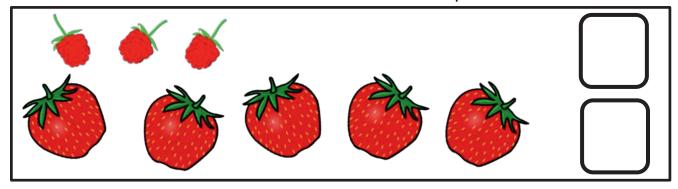
Date

Name

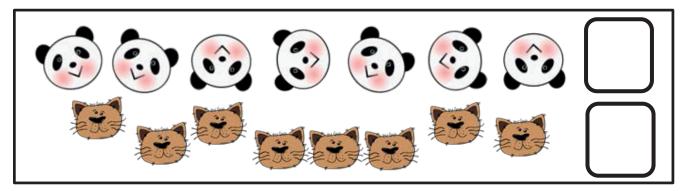
Count the set of objects, and write how many in the box. Draw a set of circles that has 1 less, and write how many in the box. As you work, use your math words less than.			
\times \t			

Name	Date

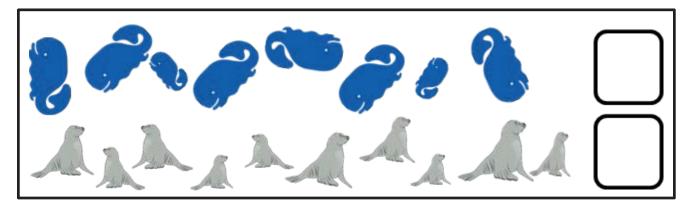
Count the objects in each line. Write how many in the box. Then, fill in the blanks below. Use the words more than to compare the numbers.



is more than _



is more than _



is more than _



Roll a die, and draw a set of objects to the number in the box. Roll the die aga Use the words more than to compare th	in, and do the same in the next box.
is more than	
is more than	
is more than	



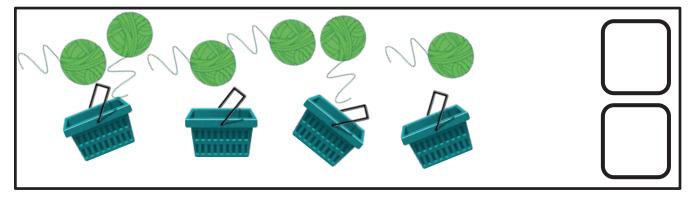
Name Date	
Count the objects in each line. Write how many in the box. the blanks below.	Then, fill in
is more than	
is more than	
RARA SAR	

is more than

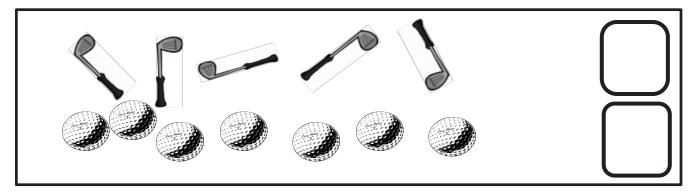


Name	Date
Nume	Duie

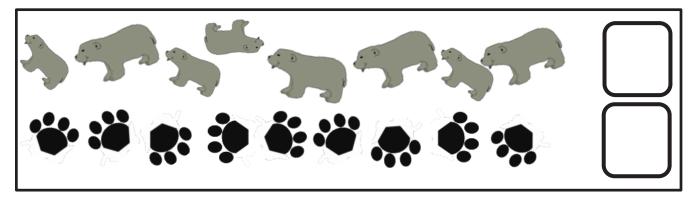
Count the objects in each line. Write how many in the box. Then, fill in the blanks below. Say your words less than out loud as you work.



is less than ____



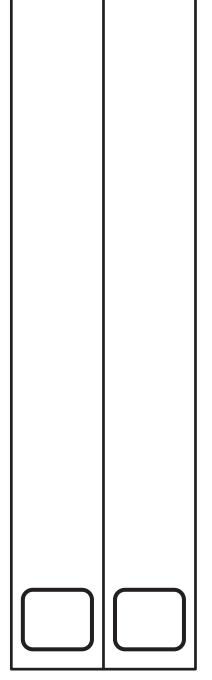
is less than

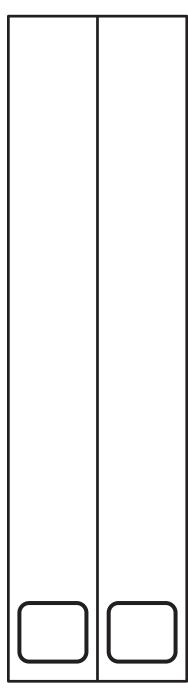


___ is less than _____



Roll a die, and draw the number of dots in the box. Then, draw a set of objects to match the number. Roll the die again, and do the same in the next box.





is less than

is less than _____.

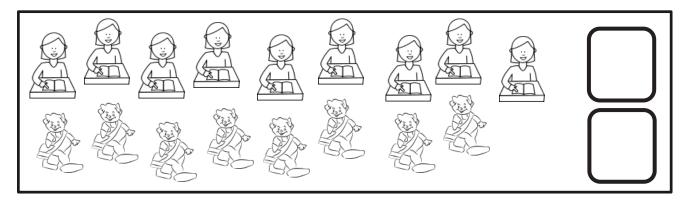


Lesson 26:

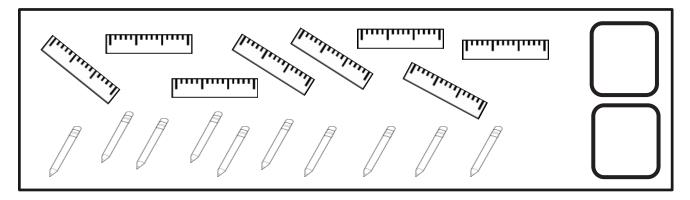
Match and count to compare two sets of objects. State which quantity is less.

Name	Date

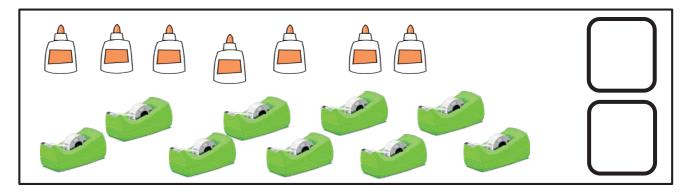
Count the objects in each line. Write how many in the box. Then, fill in the blanks below.



_ is less than ____



_ is less than _____.



is less than _____



Name		Date
Draw a tower with more cubes.	Draw a train with fewer cubes.	Draw a tower with more cubes.
is more than	is less than	is more than
Draw a train. Draw anot	han thain with fawan suh	200
is more than	i	is less than



Name	Date
Draw a tower with more cubes is more than	Draw a tower with fewer cubes is more than is less than
Draw a train with more cubes.	
is more than	
is less than	
On the back, draw a tower. Draw an	nother tower that has more cubes.
is more than	is less than



Name		Date
Visualize the sentences.	number in Set A a	nd Set B. Write the number in the
	3 Set A	5 Set B
		is more than
		_ is less than
	7 Set A	6 Set B
	is	s more than



____ is less than _____.

8 Set A		6 Set B
	is more than	·
	is less than	<u> </u>
9 Set A		10 Set B
	is more than	·
	is less than	

Roll a die twice, and write both numbers on the back. Circle the number that is more than the other.



Name		Date	
Visualize the sentences.	number in Set A and Set E	3. Write the number in the	
S	7 et A	4 Set B	
	is more than	·	
	is less than	.	
	9 Set A	10 Set B	
	is more that	1	
	is less than	·	



8		6
Set A		Set B
	is more than	
	is less than	·

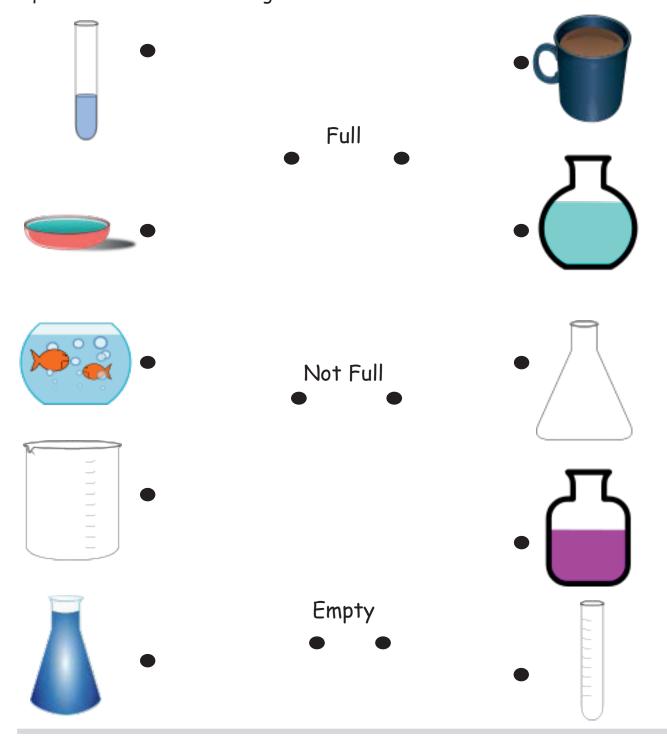
Set A		Set B
	is more than	
	ic loce than	

Ask a family member to give you 2 numbers. Write the numbers on the back, and circle the number that is more than the other.



Name	Date

Draw a line from each container to the word that describes the amount of liquid the container is holding.



Name	e Date				
	My Capacity	My Capacity Museum!			
		r			
		i I			
		i I			
		<u></u>			
:					
	i				

my capacity museum recording sheet



Dear Parents:

In class, we used balls of clay that weigh the same on the balance scale to make different sculptures. We saw that the same balls of clay can take various forms without changing the weight. The balls weighed the same on the balance scale, as did the sculptures.

Today's homework is a review of fluency work.



Name ____

Date ____

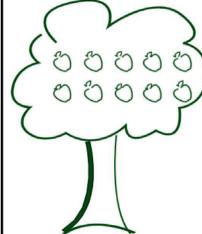
Color 4 apples.



I colored ____ apples.

I need to color _____ more to make 10.

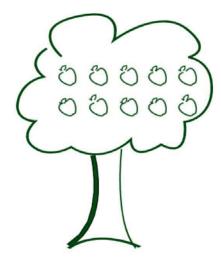
Color 2 apples.



I colored ____ apples.

I need to color _____ more to make 10.

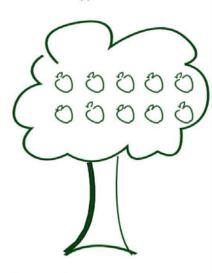
Color 7 apples.



I colored ____ apples.

I need to color _____ more to make 10.

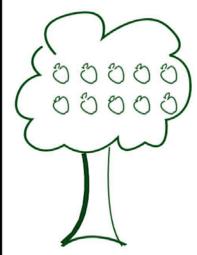
Color 1 apple.



I colored ____ apples.

I need to color _____ more to make 10.

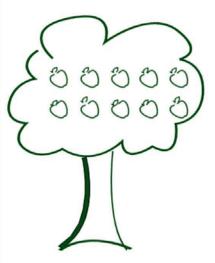
Color 9 apples.



I colored ____ apples.

I need to color _____ more to make 10.

Color 3 apples.



I colored ____ apples.

I need to color _____ more to make 10.



Lesson 30:

Use balls of clay of equal weights to make sculptures.

Name			Date
	Cla	y Shapes	3

clay shapes recording sheet

Name	Date				
Listen to the directions, and draw the imagin	ary animal inside the box.				
Oraw a rectangle body as long as a 5-stick. Oraw 4 rectangle legs each as long as your thumb. Oraw a circle for a head as wide as your pinky. Oraw a line for a tail shorter than your pencil. Oraw in eyes, a nose, and a mouth.					
Imaginary Anima	I				

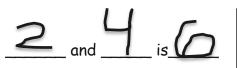


Name	Date
	the following directions to your child to make a castle: wherever a rectangle as long as a spoon. wherever another rectangle on each side of the rectangle you just made. wherever a triangle on top of each rectangle to make towers shorter than our hand. wherever a rectangle flag pole as long as your pointer finger. wherever a spoon as long as your pinky. wherever a door as long as your thumb. wherever a prince or princess in your castle.
	Castle

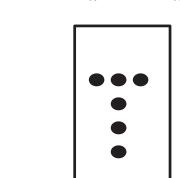


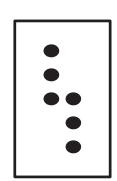
	_
Name	Date

The homework is a review of fluency skills from Module 3.



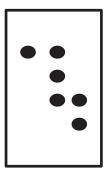
Circle a group of dots. Then, fill in the blanks to make a number sentence.



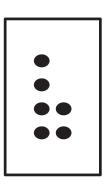


____ and ____ is ____.





_____ and ____ is ____.



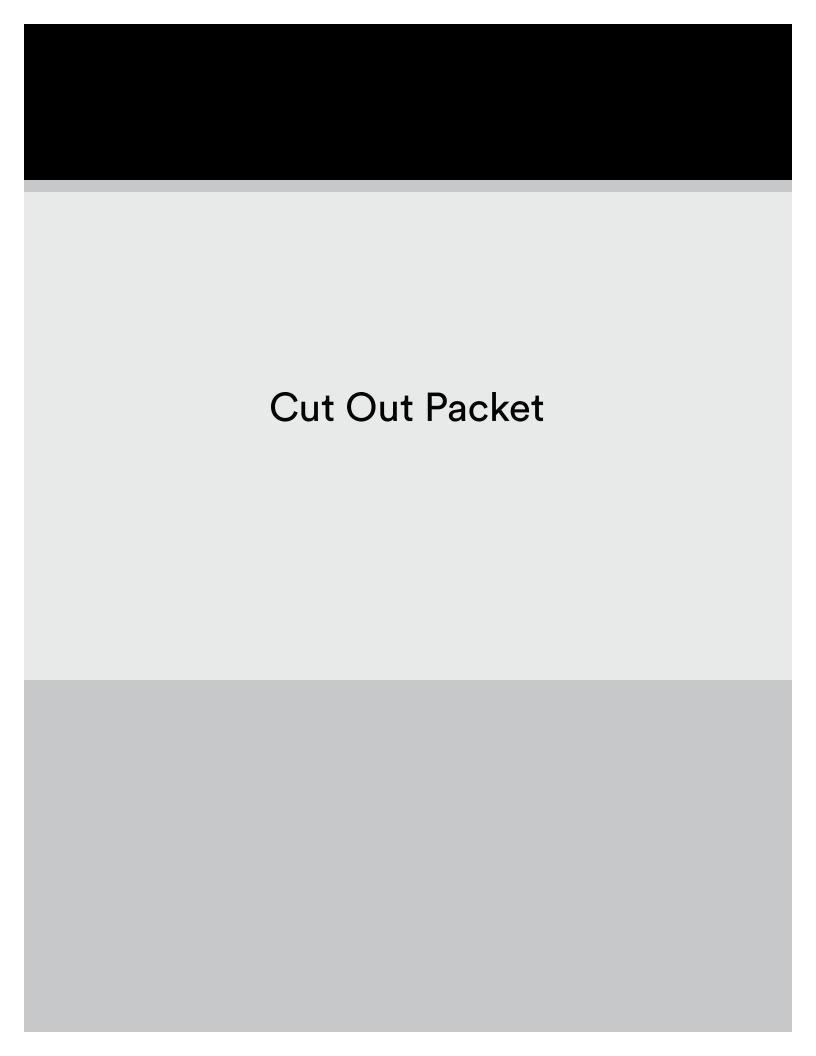
and is ____.

On the back, make your own 6-dot cards. Circle some dots, and then say, "_____ and _____ is _____

Name	Date

comparing attributes recording sheet

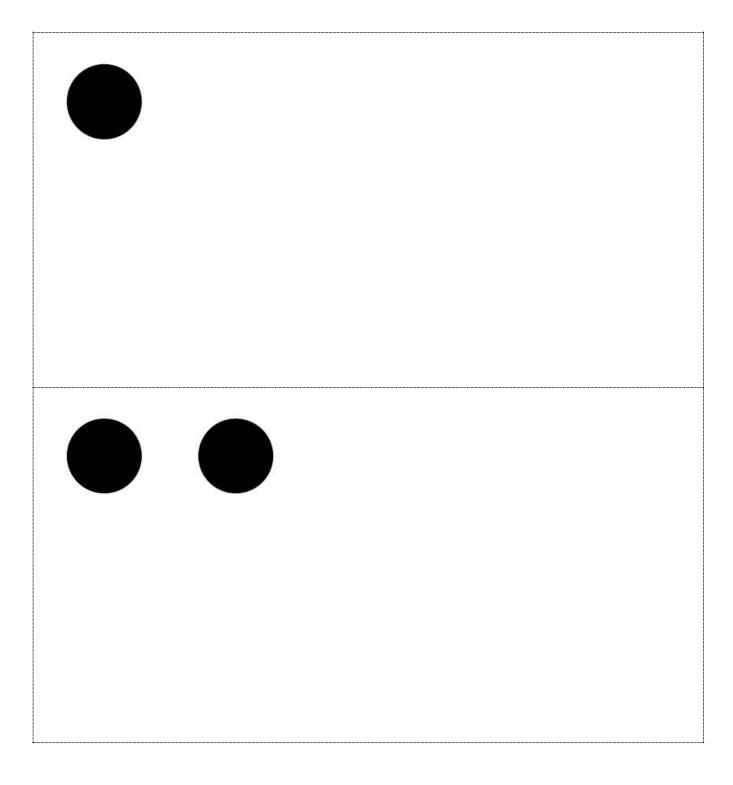




1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

number path

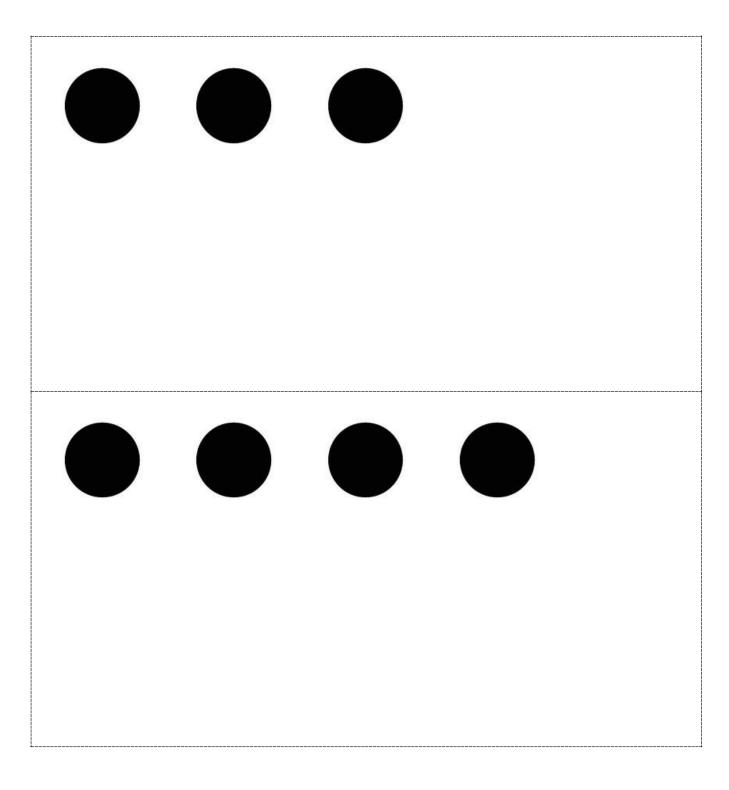






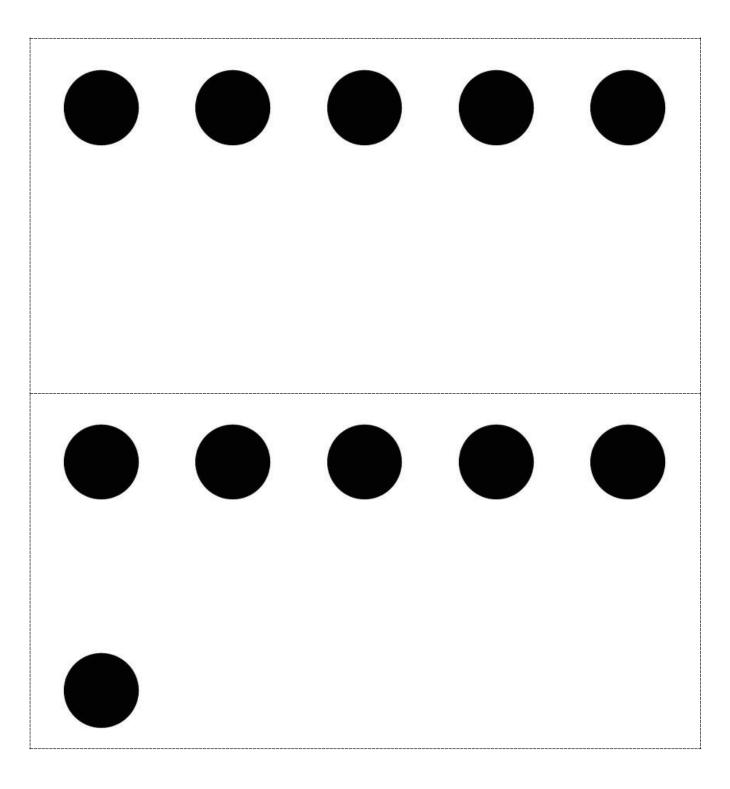
Lesson 5: Determine which linking cube stick is $\emph{longer than}$ or $\emph{shorter than}$ the

other.

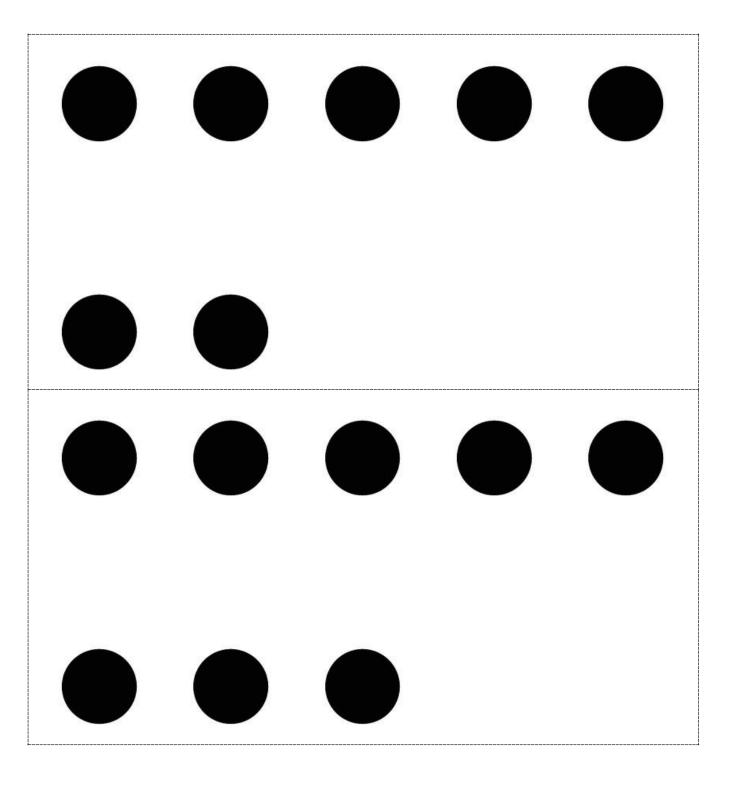




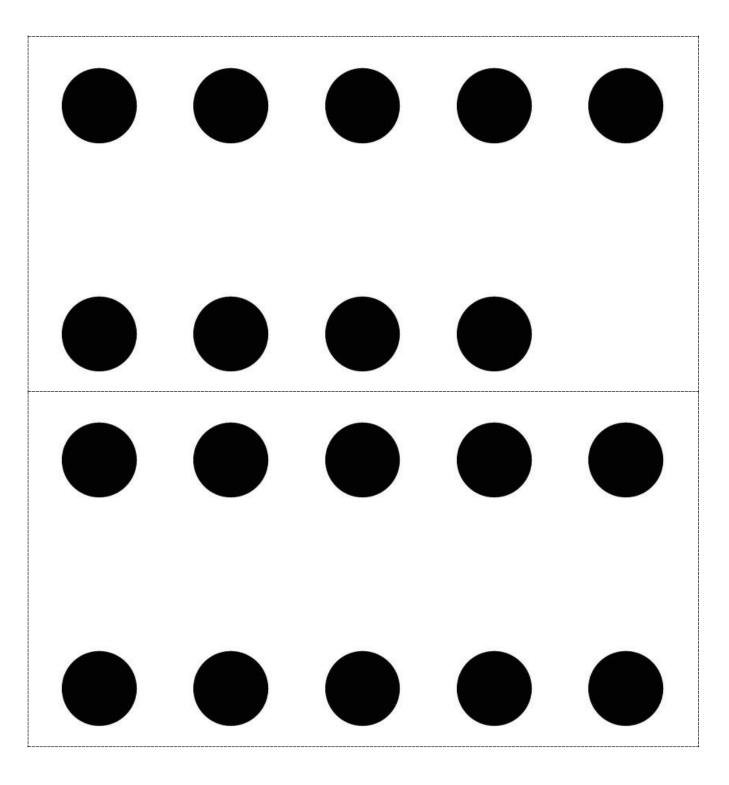
Lesson 5:



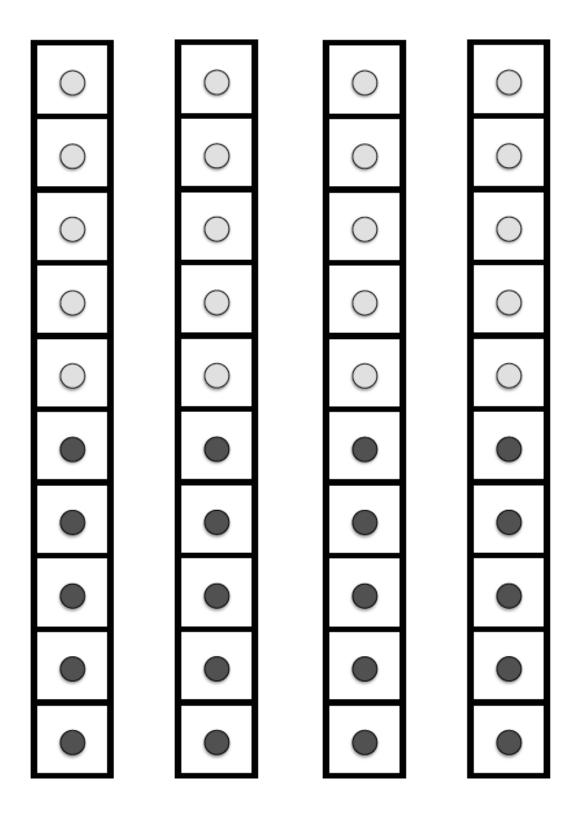










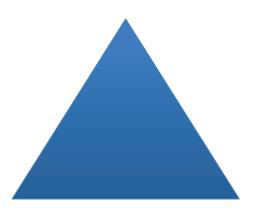


dot path



Lesson 5: Determine which linking cube stick is $\emph{longer than}$ or $\emph{shorter than}$ the other.

Triangle



Rectangle



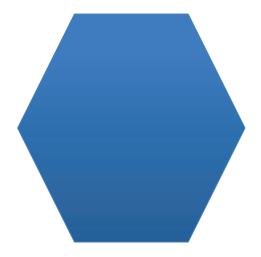
shape signs



Square



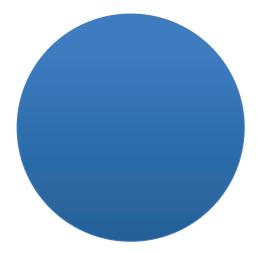
Hexagon



shape signs

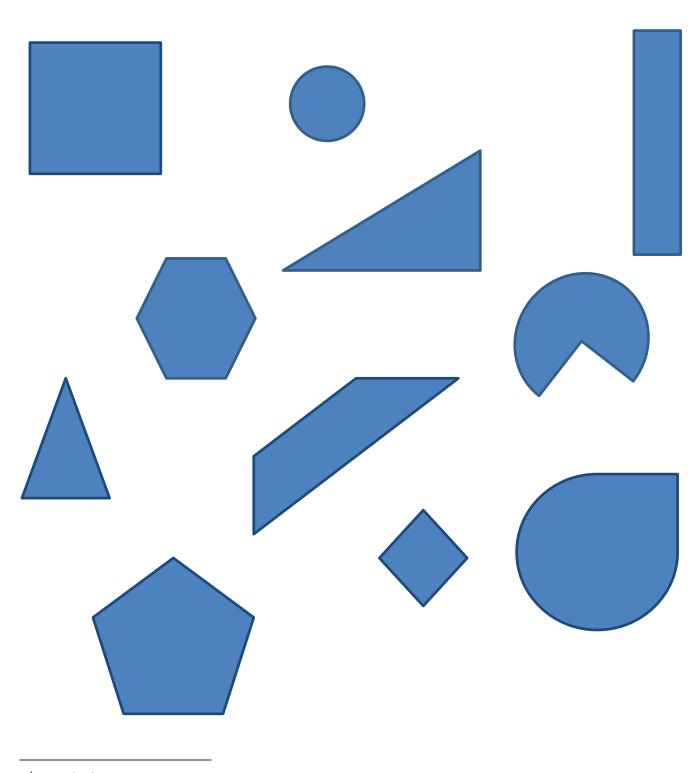


Circle



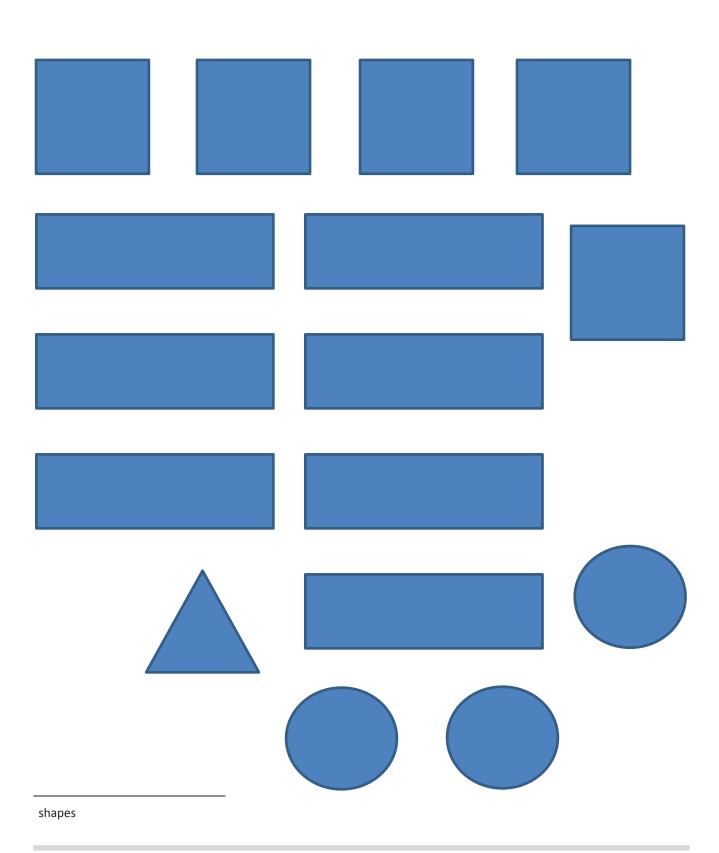
shape signs





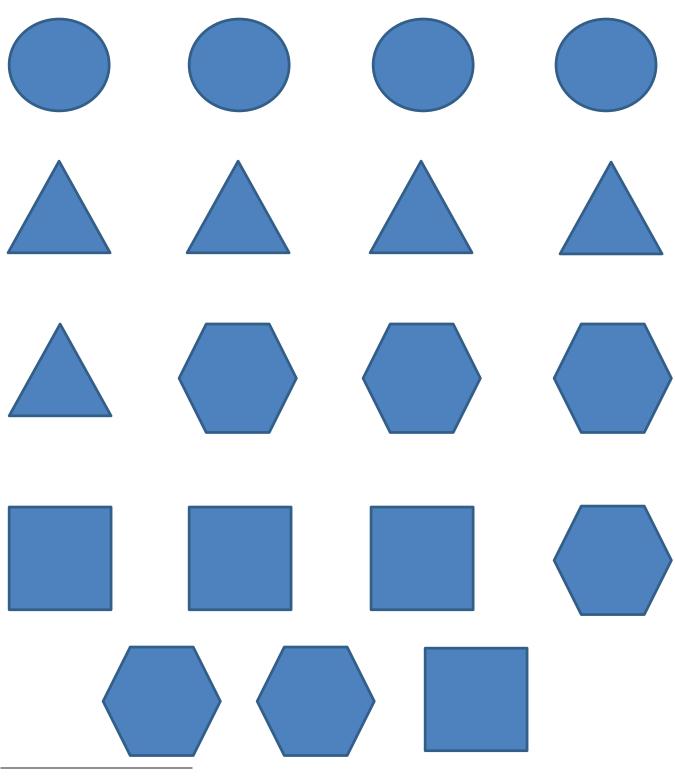
shape cutouts







Lesson 21: Compare sets informally using more, less, and fewer.



shapes



0	1	2	3
4	5	5	6
7	8	9	10

5-group cards (numeral side)



•••	••	•	
•••••	••••	••••	•••
	••••		••••



⁵⁻group cards (5-group side)