

A Story of Units

Pleasanton Mathematics Curriculum



Grade K • MODULE 1

Numbers to 10

PROBLEM SETS

Video tutorials: http://embarc.online

Info for parents: http://bit.ly/pusdmath

Version 3

A STORY OF UNITS



Mathematics Curriculum



GRADE K • MODULE 1

Table of Contents

GRADE K • MODULE 1

Numbers to 10

Addule Overview	l
opic A: Attributes of Two Related Objects1.	.A.1
opic B: Classify to Make Categories and Count1.	.B.1
opic C: Numbers to 5 in Different Configurations, Math Drawings, and Expressions	.C.1
opic D: The Concept of Zero and Working with Numbers 0–5	.D.1
opic E: Working with Numbers 6–8 in Different Configurations1	.E.1
opic F: Working with Numbers 9–10 in Different Configurations1	.F.1
opic G: <i>One More Than</i> with Numbers 0–101.	.G.1
opic H: <i>One Less Than</i> with Numbers 0–101.	.H.1
Nodule Assessments1	.S.1

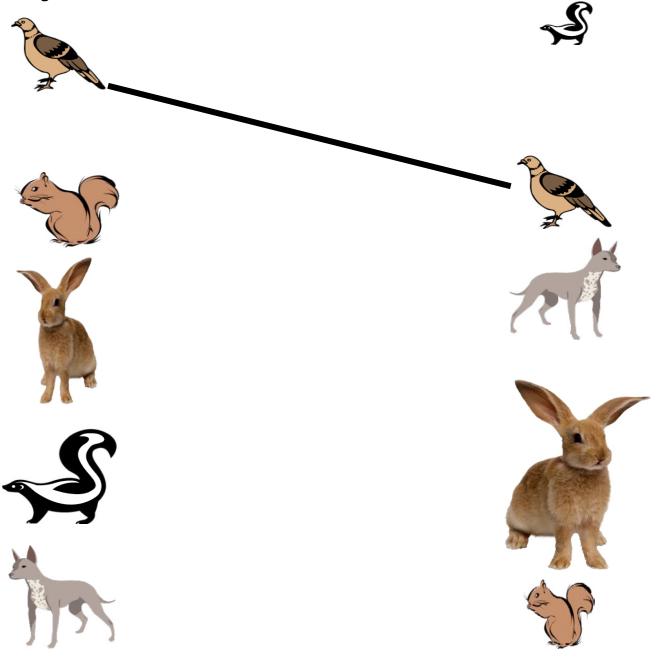


Module 1:

Numbers to 10

Name	Date

Find animals that are exactly the same. Then, find animals that look like each other but are not exactly the same. Use a ruler to draw a line connecting the animals.





Lesson 1:

Analyze to find two objects that are exactly the same or not exactly the

Name	Date	Date		
Use your ruler	to draw a line between two objects that m	atch.		
Use your word	s. "These are the same, but this one is $__$, and this		
one is	."			

















Draw a line between the objects that have the same pattern. Talk with a neighbor about the objects that match.









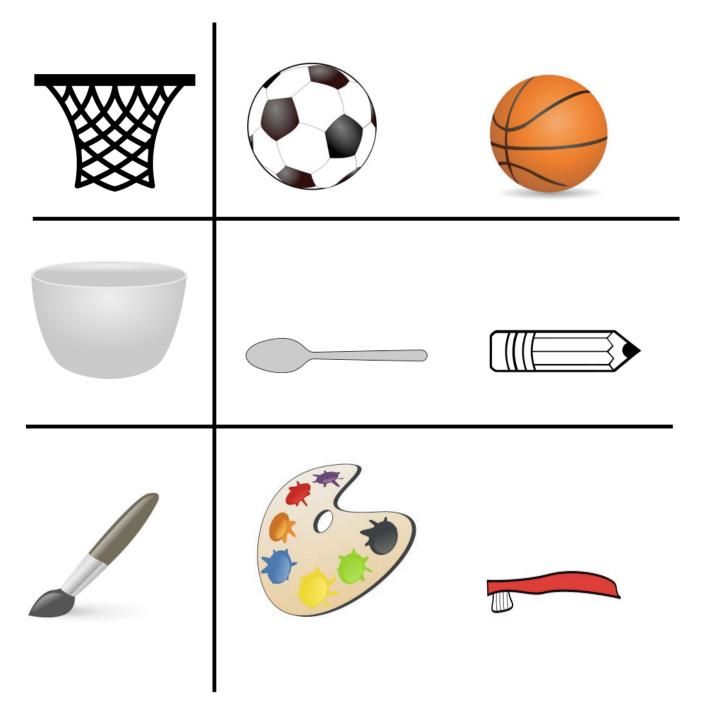








Circle the object that would be used together with the object on the left.



Name _	Date
_	

Use the cutouts. Glue the pictures to show where to keep each thing.

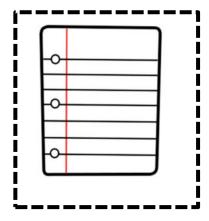


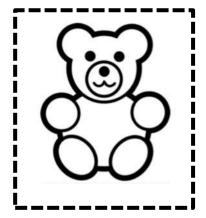






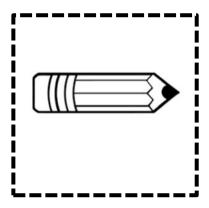
Cutouts for the Problem Set









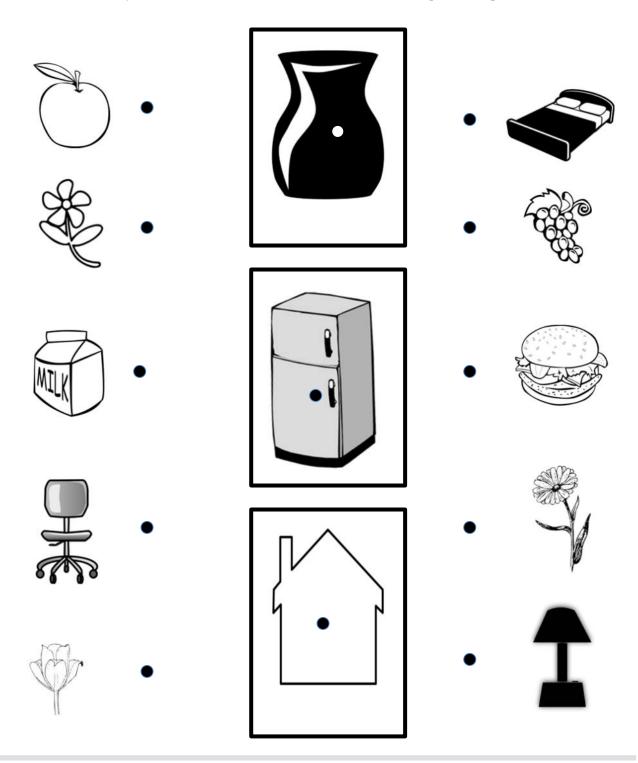






Name Date	N. a. a.
-----------	----------

Draw a line with your ruler to show where each thing belongs.



Date ____

Name

Look at the shelf. Color the things in groups of 2 red. Color the things in groups of 3 blue. Color the things in groups of 4 orange.							
	2 Red		3 Blue	2	4 Orange		
			0 0				



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

Color each numeral card as directed. Count the objects in each group. Then, color the group of objects the same color as the numeral card that it matches.

1	2	3	4	5
Black	Blue	Brown	Red	Yellow

Name	Date	

Count the objects. Circle the correct number.























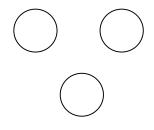
Count the dots, and circle the correct number. Color the same number of dots on the right as the gray ones on the left to show the hidden partners.

3 4 5	
3 4 5	
3 4 5	
3 4 5	

Name Date _____

Count the objects. Circle the total number of objects. Color 1, 2, or 3 to see the hidden partners.

Color 1 circle.



1

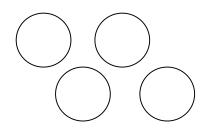
2

3

Color 3 stars.



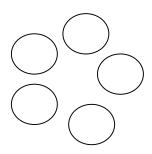
Color 2 circles.



3

5

Color 3 circles.



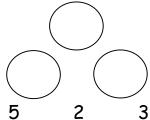
5

3

Color 4 stars.



Draw 2 circles and color them. Count all the objects, and circle the number.

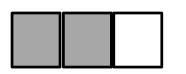


Lesson 10:

Within circular and scattered dot configurations of numbers 3, 4, and 5, find hidden partners.

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

These squares represent cubes. Count the squares. Draw a line to break the stick between the gray squares and the white squares. Draw the squares above the numbers.

















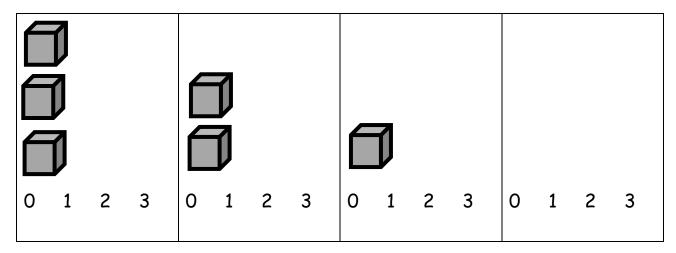
Name			Date	
	•	•	nite board. Practing in pencil on the	•

numeral formation practice sheet 0

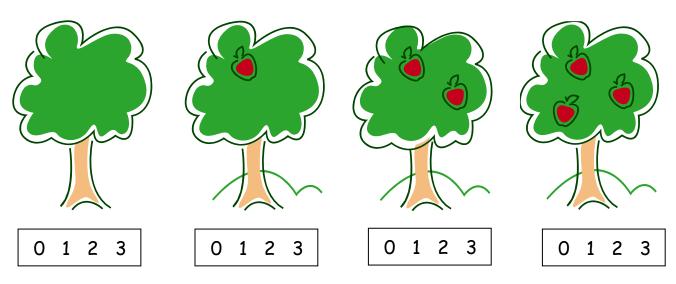


Date _____ Name

Circle the number that tells how many.



Count the apples in each tree. Circle the number.



How many elephants are in the room?



Name		 Date
		Practice with your dry umbers in pencil on the
	I I I	
	1	
3		
numeral formation pro	actice sheet 1–3	

Lesson 13:

Order and write numerals 0–3 to answer how many questions.

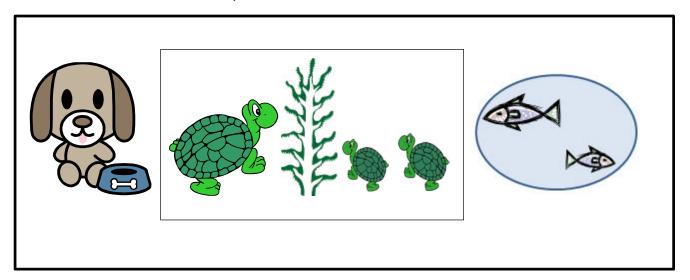
Name Date ____

Write the missing numbers.

1 2	3 2
1 3	3 1
0 1	2 1
0 2	2 1
1 2	2 0



Count and write how many.







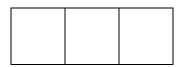




Name

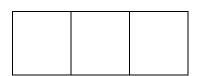
Date _____

Color the picture to match the number sentence.



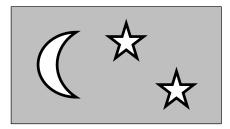
$$3 = 1 + 2$$

Write the number sentence:



$$3 = 2 + 1$$

Write the number sentence:



3 = 1 + 2

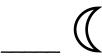
Write the number sentence:



$$3 = 2 + 1$$

Write the number sentence:

Look at the pictures above, and write how many.







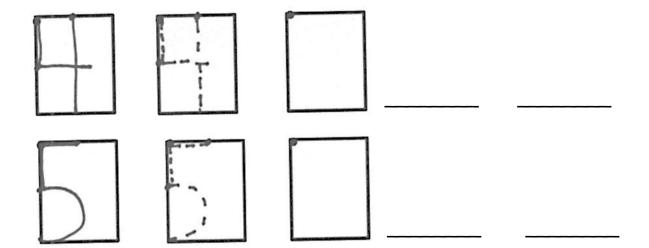






Name	Date
Name	Date

Insert the template into your personal white board. Practice with your dry erase marker. When you are ready, write in pencil on the paper.



Write the missing numbers:

_____, 2, 3, _____, ____

_____, 4, 3, _____, ____

numeral formation practice sheet 4-5



Name	Date				
Count and write how many. Circle	a group of four of each fruit.				
*					



Lesson 15:

Order and write numerals 4 and 5 to answer how many questions in categories; sort by count.

Name				D	ate _		
In each picture, color some squares red and some blue. Do it a different way each time.							
How many square	How many squares?						
How many squares?			How many squares?				
Draw more circles	to mak	ke 4.					
000 00							
Draw more X's to make 5.							
xxxx	XXX	<	××			×	



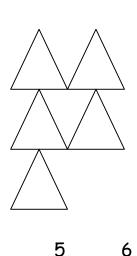
How many?

Name				Do	ate	
Draw 1 more. The Use the code to		_		e the	e numb	er in the box.
	3 blue	4 red	5 yellow	6 g	reen	
Draw 1 more	cloud.	Draw 1 r	nore face.		Dra	w 1 more heart.
		0 0 0 0	0 0			

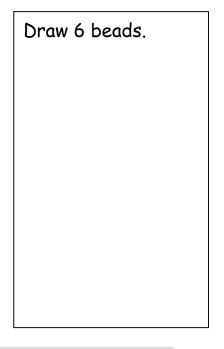
How many?

Draw 1 more. Then, circle the number.

How many?



Draw 6 fingers.





4

Lesson 17:

Count 4–6 objects in vertical and horizontal linear configurations and array configurations. Match 6 objects to the numeral 6.

Vame		Date	
	ersonal whiteboards pencil on the pape		When you are

numeral formation practice sheet 6



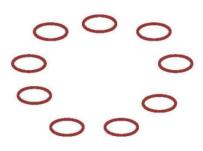
Color 6 beans.



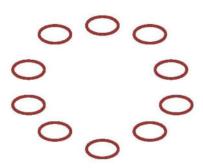
Color 6 beans.



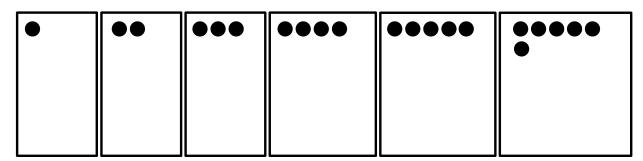
Color 6 beans.



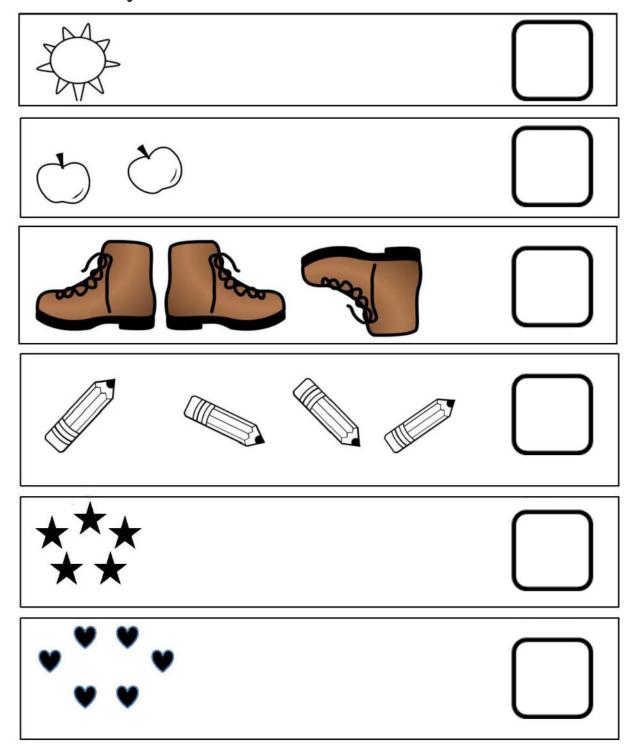
Color 6 beans.



Count the dots in each box. Write the number in the box.



Count the objects. Write the number in the box.



Name	Date		
Color 5	Color 5		
Color 5	Color 5		
Color 5. Draw 2 circles to the right. Write the total.	Color 5. Draw 2 circles below. Write the total.		



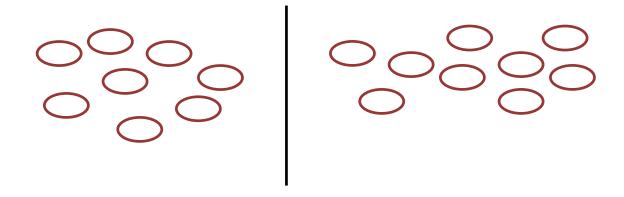
Name		Date		
	oage into your p your numbers			ce. When you are
				-
	9 00 00 00 00 00 00 0 9			

numeral formation practice sheet 7

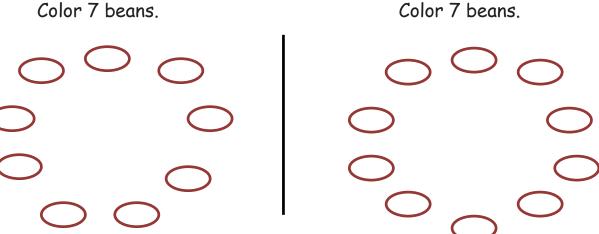


Date _____ Name

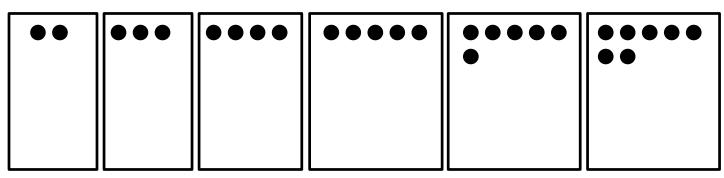
Color 7 beans. Draw a line to connect the dots you colored.



Color 7 beans.



Count the dots in each box. Write the number in the box.





Lesson 20:

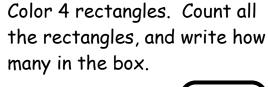
Name	Date			
Color 5 ladybugs. Color the remaining Count all the ladybugs, and write how n				
	A CARLONIA			
Color 5 diamonds. Color the remaining diamonds a different color. Count all the diamonds, and write how many.				
Color 5 circles. Then, draw 3 circles to the right. Count all the circles. Write how many in the box.	Color 5 circles. Then, draw 3 circles below. Count all the circles. Write how many in the box.			

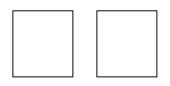
Color 4 ladybugs. Count all the ladybugs, and write how many in the box.







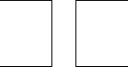




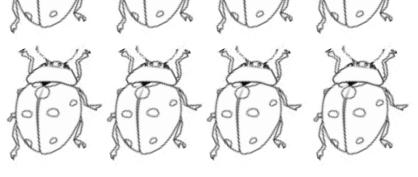




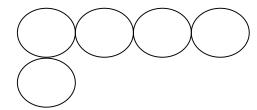








Color 5. Then, draw 3 circles to finish the row. Color the bottom 3 circles you drew a different color. Write the total in the box.







Lesson 21:

Name	Date
nume	Dute

Insert this page into your personal white boards. Practice. When you are ready, write your numbers in pencil on the paper.













Color 8 happy faces.

Circle a different group of 8 happy faces.



















numeral formation practice sheet 8

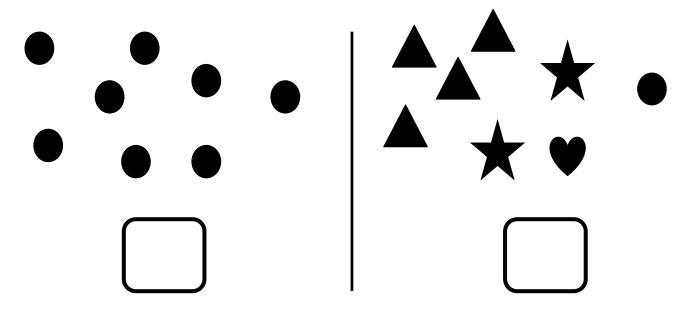


Lesson 22:

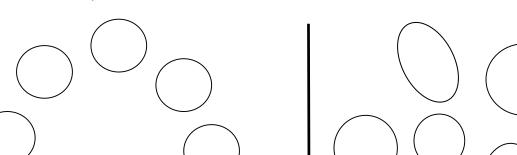
Number the shapes from 1 to 8.

Name	Date	

Draw a counting path with a line to show the order in which you counted. Write the total number in the box. Circle a group of 5 in each set.



Number the circles from 1 to 8. Color 8 circles.



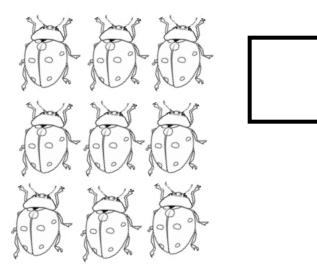


Lesson 22: Arrange and strategize to count 8 beans in circular (around a cup) and scattered configurations. Write numeral 8. Find a path through the scatter set, and compare paths with a partner.

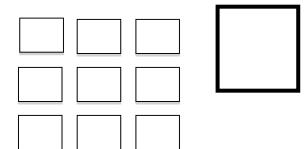
Name	Date
Color 5 ladybugs. Color the remaining ladybugs Count all the ladybugs. Write how many in the	
Color 5 diamonds. Color the remaining diamond. Count all the diamonds. Write how many in the	
Draw 4 more circles. Count all the circles. Write how many in the box.	Make 9 dots. Circle a group of 5 dots.



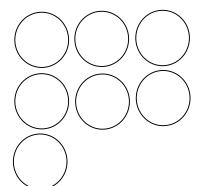
Color 3 lac	dybugs.	Count	all th	ie	
ladybugs.	Write h	now mo	any in	the	box.

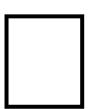


Color 3 rectangles. Count all the rectangles. Write how many in the box.



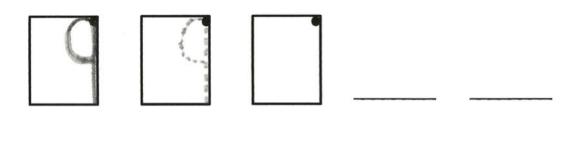
Draw 2 circles to finish the last row to make 9. Color to show the rows. Write how many in the box.

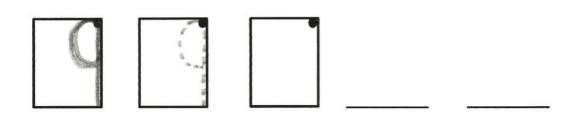




Name	Date
	<u> </u>

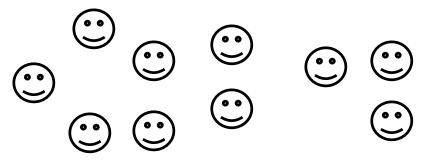
Put this page into your personal white boards. Practice. When you are ready, use your pencil to write the numbers on the paper.





Color 9 happy faces.

Circle a different group of 9 happy faces.

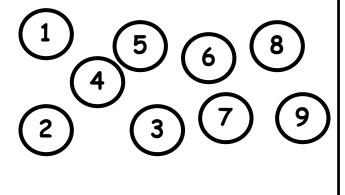


numeral formation practice sheet 9

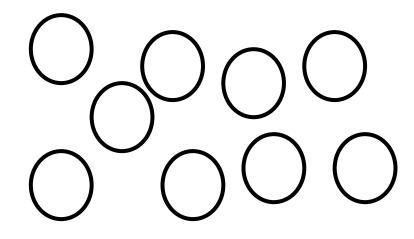


Lesson 24:

Draw lines to connect the circles starting at 1.



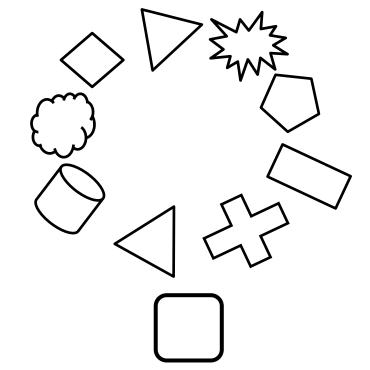
Number the dots 1-9 in a different way. Connect the circles with lines.



With your pencil, number the objects from 1 to 9 to show how you count the stars and objects. Write the total number of objects in the boxes.





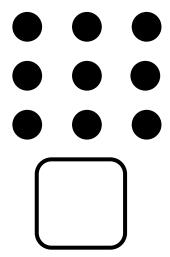




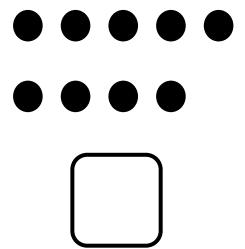
Lesson 24:

Strategize to count 9 objects in circular (around a paper plate) and scattered configurations printed on paper. Write numeral 9. Represent a path through the scatter count with a pencil. Number each object.

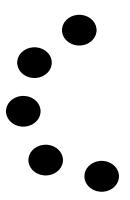
Count the dots. Write the number.



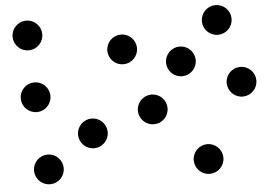
Count the dots. Write the number. Circle a group of 5.



Draw more dots to make 9 in a circle. Number the dots from 1 to 9.



Count the dots. Circle 9 of them. Within your 9, circle a group of 5.



Name	Date		
Color 5 ladybugs in a row. Color the remaining ladybugs a different color. Count all the ladybugs. Write how many in the box.			
Color 5 diamonds in a row. Color the remaining diamonds a different color. Count all the diamonds. Write how many in the box.			
Color 5 circles. Then, draw 5 circles to the right. Count all the circles. Write how many in the box.	Color 5 circles. Then, draw 5 circles below. Count all the circles. Write how many in the box.		



Color 5 ladybugs. Count all the ladybugs. Write how many in the box.	Color 5 squares. Count all the squares. Write how many in the box.

Color 5 circles. Draw 4 circles to finish the row. Color the bottom 5 a different color. Write how many circles in all in the box.



Ρ

Name		Date	
	r personal white boards bers in pencil on the po		n you are

numeral formation practice sheet 10





Name	Date		
Draw 10 circles in a row. Color the first 5 yellow and the second 5 blue. Write how many circles in the box.			
Draw 5 circles in the gray part. D Write how many circles in the box	•		
Draw two towers of 5 next to each other. Color 1 tower red and the other tower orange. Circle groups of two.	Draw a row of 5 cubes. Draw another row of 5. Count. Write how many cubes.		

Draw a picture of your bracelet on the back of the paper.

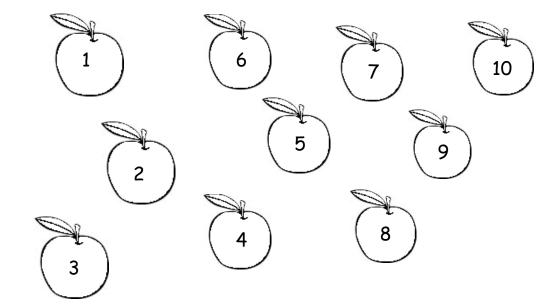




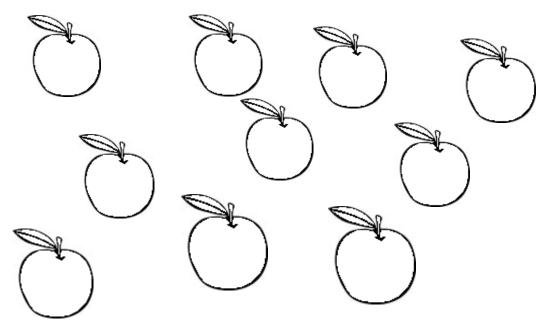
Name	Date
Count the shapes, and write how many. Color the shape you counted first.	Draw 10 things. Color 5 of them. Color 5 things a different color.
O STANKE OF THE	
Oraw 10 circles. Color 5 circles. C	Color 5 circles a different color.



Show how many apples by drawing a path between them as you count.



Write the numbers 1 to 10 in the apples a different way. When you count, draw a path connecting the apples.





Lesson 27:

Name	Date	

Listen to my stories. Color the pictures to show what is happening. Write how many in the box.

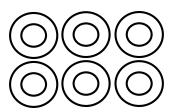
Bobby picked 4 red flowers. Then, he picked 2 purple flowers. How many flowers did Bobby pick?



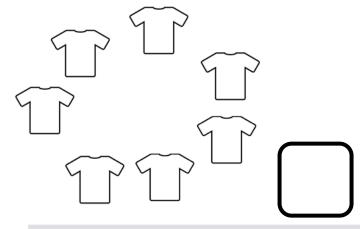
Janet went to the donut store. She bought 6 chocolate donuts and 3 strawberry donuts. How many donuts did she buy?



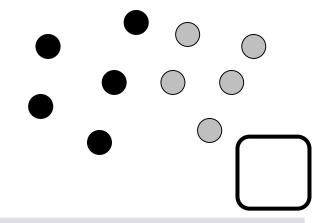




Some children were sitting in a circle. 4 of them were wearing green shirts. The rest were wearing yellow shirts. How many children were in the circle?



Jerry spilled his bag of marbles. Circle the group of grey marbles. Circle the group of black marbles. How many marbles were spilled?



Lesson 28:

Act out result unknown story problems without equations.

Make up a story about the bears. Color the bears to match the story. Tell your story to a friend.



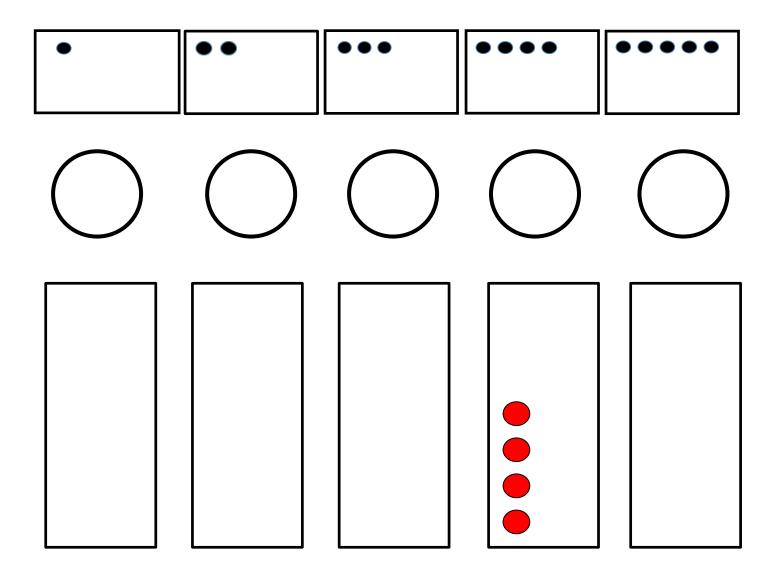
Make up a new story. Draw a picture to go with your story. Tell your story to a friend.



Lesson 28: Act out result unknown story problems without equations.

Name	Date	

Count the dots. Write how many in the circle. Draw the same number of dots below the circle, but going up and down instead of across. The number 4 has been done for you.



Count the balloons. Draw 1 more balloon. Count and write how many balloons.



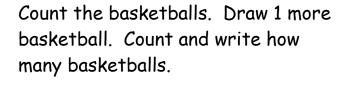


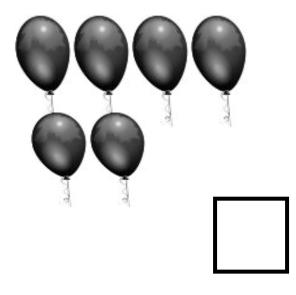
Count the basketballs. Draw 1 more basketball. Count and write how many basketballs.

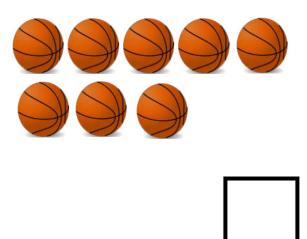




Count the balloons. Draw 1 more balloon. Count and write how many balloons.









Lesson 29:

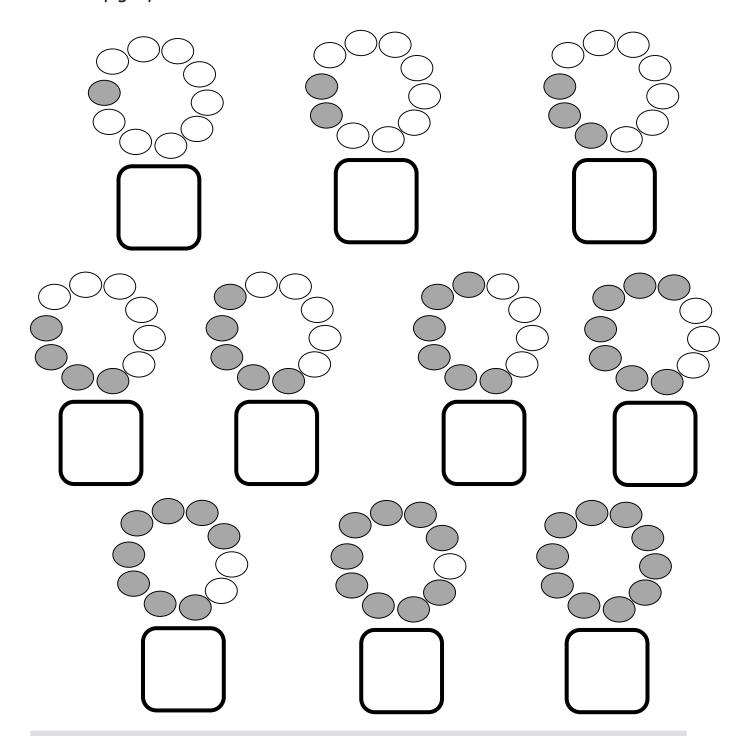
Name	Date
Count and color the white s step. Write the missing nu	quares red. Count all the cubes in each
1 2 3	
2 3 4	5 7 8 10



Lesson 30:

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

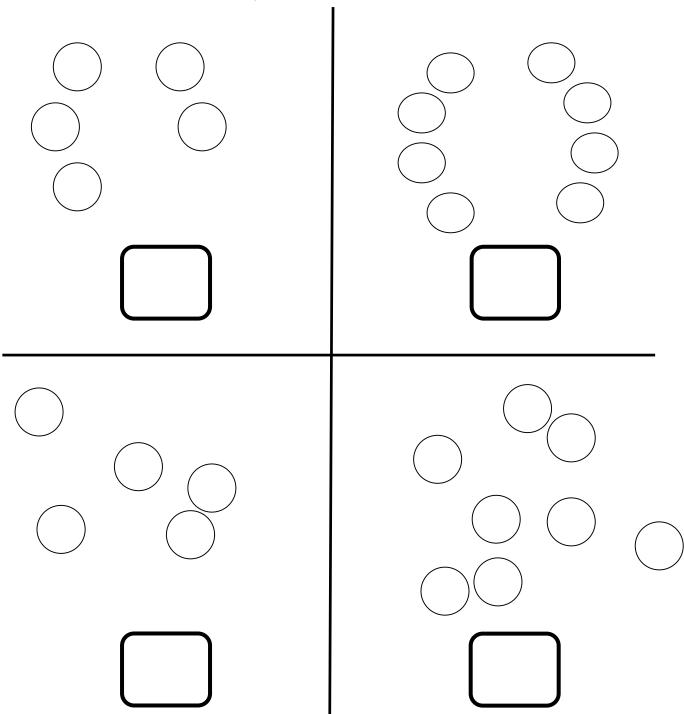
Color the empty circles orange, and count. Count the gray circles, and write how many gray circles in the box.



Lesson 31:

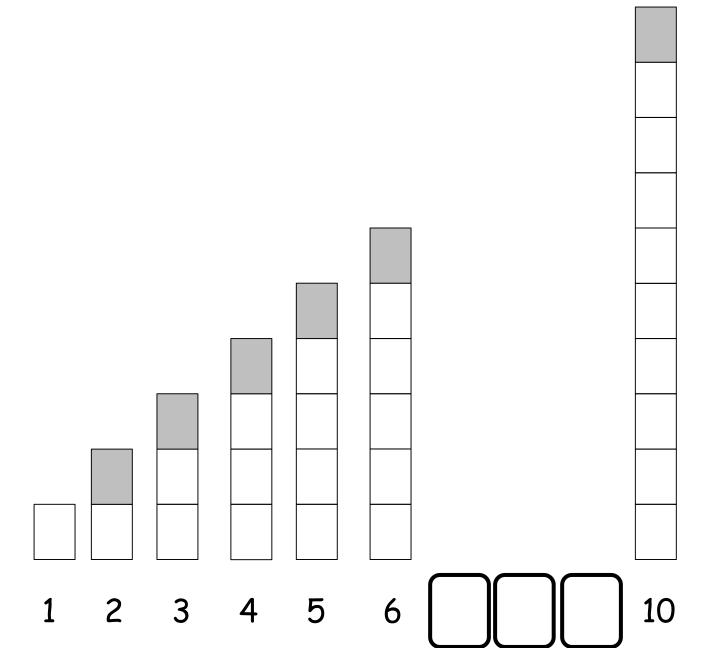
Arrange, analyze, and draw 1 more up to 10 in configurations other than towers.

Count the white circles, and color them blue. Draw 1 more, and count all the circles. Write how many.



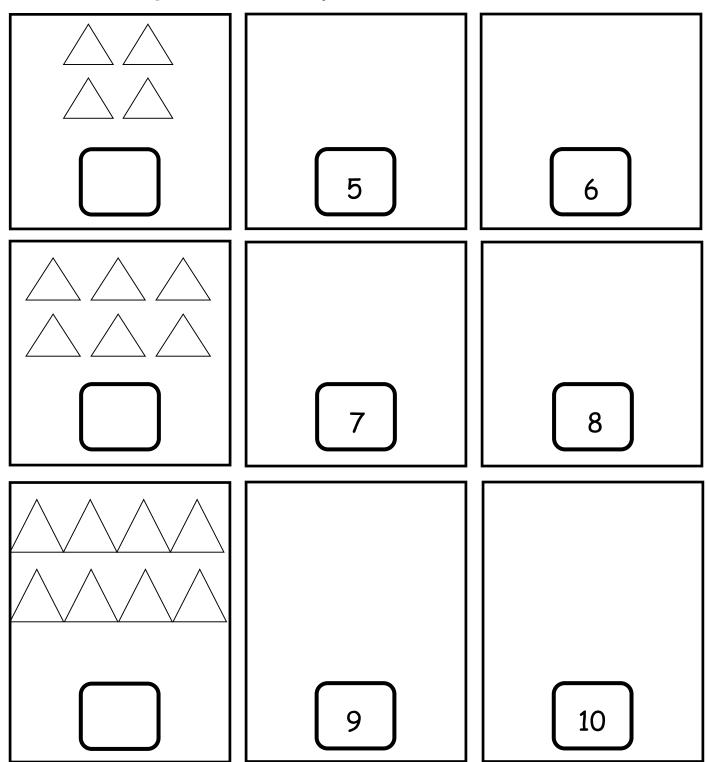
	_
Name	Date

Draw and write the number of the missing steps.



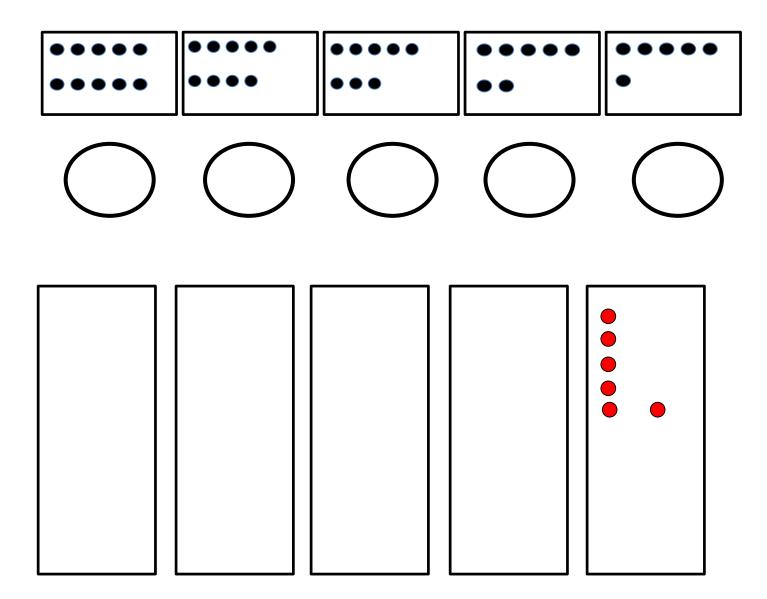


Write the missing number. Draw objects to show the numbers.



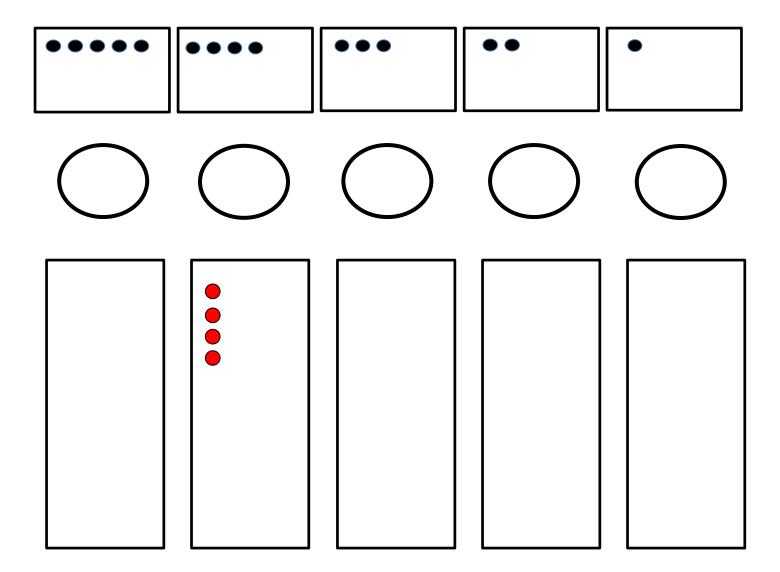


Count the dots. Write how many in the circle. Draw the same number of dots below the circle, but going up and down instead of across. The number 6 is done for you.



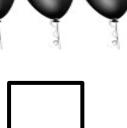


Lesson 33: Order quantities from 10 to 1, and match numerals. Count the dots. Write how many in the circle. Draw the same number of dots below the circle, but go up and down instead of across. The number 4 is done for you.



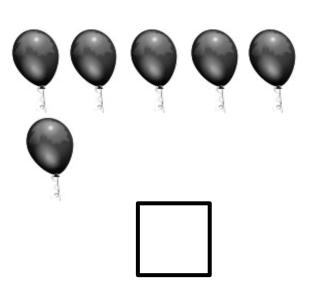
Count the balloons. Cross out 1 balloon. Count and write how many balloons are left in the box. Count the basketballs. Cross out 1 basketball. Count and write how many basketballs are left in the box.







Count the balloons. Cross out 1 balloon. Count and write how many balloons are left in the box.



Count the basketballs. Cross out 1 basketball. Count and write how many basketballs are left in the box.





Lesson 33:

Order quantities from 10 to 1, and match numerals.

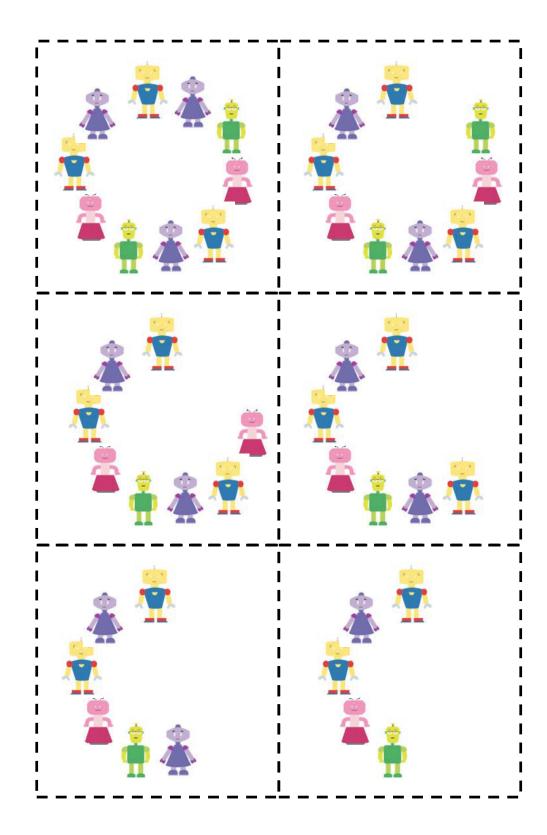
Read the story to the students. Have students cut out the robots. Read the story again as the students glue the robots on the 5-group mat.

10 robots were playing in a circle. 1 robot's mom called, and he had to go home. 10. One less is nine. 9 robots were playing in a circle. 1 robot's mom called, and he had to go home. 9. One less is eight. 8 robots were playing in a circle. 1 robot's mom called, and he had to go home. 8. One less is seven. 7 robots were playing in a circle. 1 robot's mom called, and he had to go home. 7. One less is six. 6 robots were playing in a circle. 1 robot's mom called, and he had to go home. 6. One less is five. 5 robots were playing in a circle. 1 robot's mom called, and he had to go home. 5. One less is four. 4 robots were playing in a circle. 1 robot's mom called, and he had to go home. 4. One less is three. 3 robots were playing in a circle. 1 robot's mom called, and he had to go home. 3. One less is two. 2 robots were playing in a circle. 1 robot's mom called, and he had to go home. 2. One less is one. And, he played happily ever after!

1	2	3	4	5
6	7	8	9	10

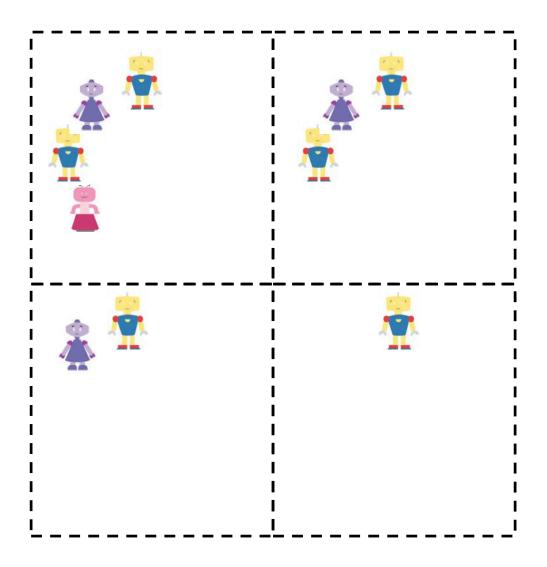
Lesson 34: Count down from 10 to 1, and state 1 less than a given number.













Date

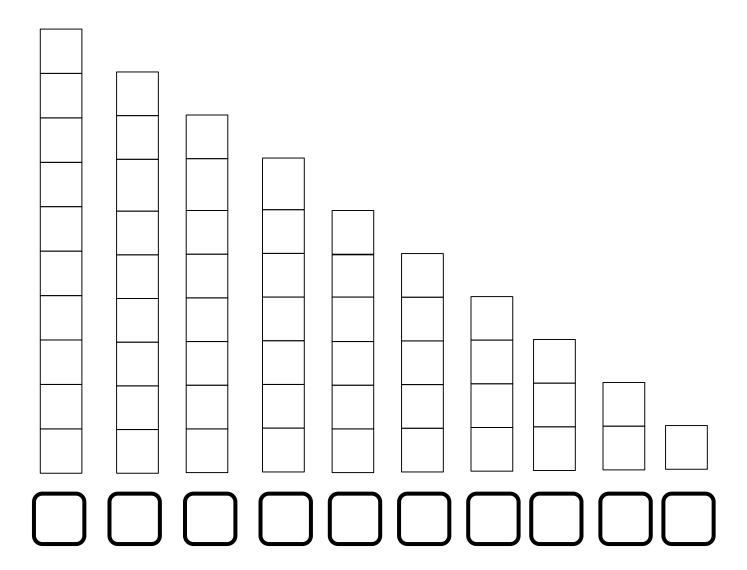
Name

 •	f 5 gray ny. Wha		ini ali ir	ie cube:	s in each	n Tower,	



Lesson 35:

Count the number of cubes in a stair. Cross off the top cube. Use your words to say, "10. One less is nine. 9. One less is eight." Keep going all the way to the bottom of the stairs! Write how many cubes are in the stairs after you cross off the top cube.

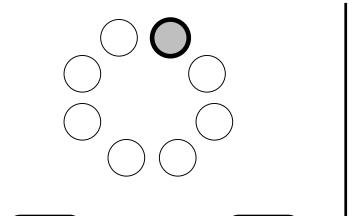


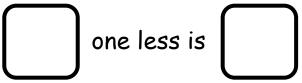


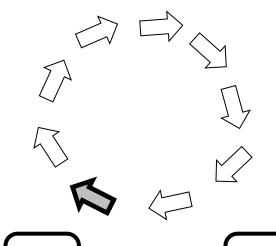
Lesson 35:

Name Date

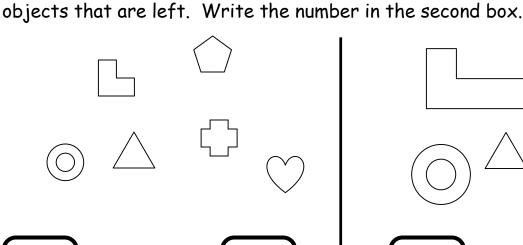
Count the objects. Write the number in the first box. Put an X on the shaded object. Count the objects that are left. Write the number that is left in the second box.

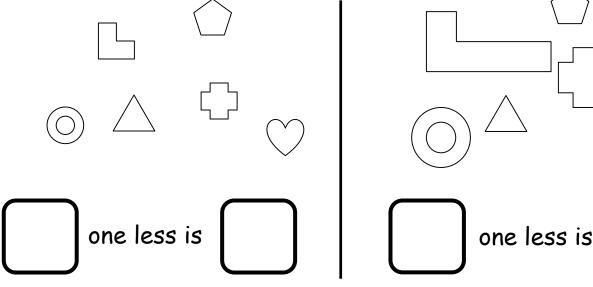






one less is





Count the objects. Write the number. Put an X on one object. Count the

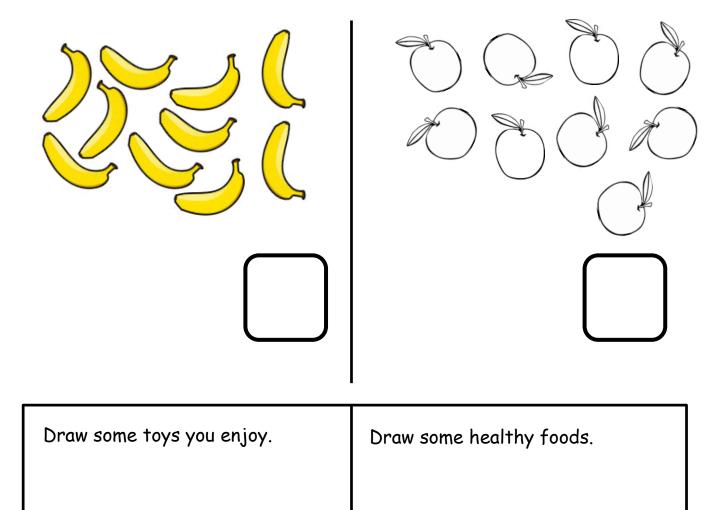


Lesson 36:

Arrange, analyze, and draw sequences of quantities that are 1 less in configurations other than towers.

Count and write how many.	Draw 1 less. Count and write how many.
Count and write how many.	Draw 1 less. Count and write how many.





How many?



How many?









Video tutorials: http://bit.ly/eurekapusd Info for parents: http://bit.ly/pusdmath