

A Story of Units

## Pleasanton Mathematics Curriculum



### **Grade K • MODULE 4**

Number Pairs, Addition and Subtraction to 10

# Homework

Video tutorials: http://embarc.online

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

Version 3



## **Mathematics Curriculum**



**GRADE K • MODULE 4** 

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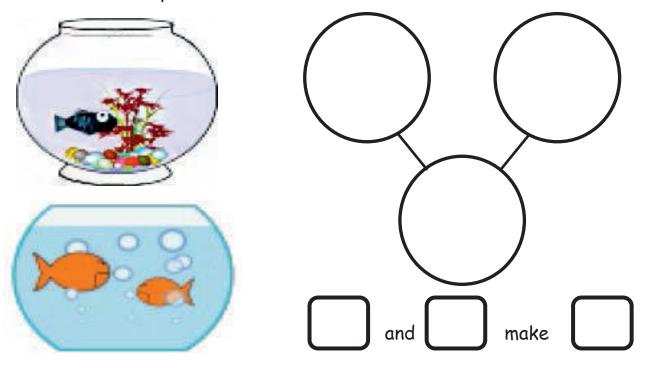
## **GRADE K • MODULE 4**

#### Number Pairs, Addition and Subtraction to 10

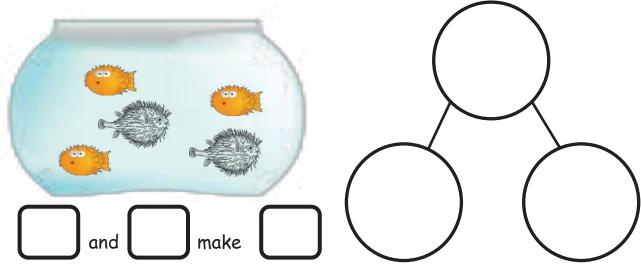
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Module Assessments4.S.1

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Draw the blue fish in the first circle on top. Draw the orange fish in the next circle on top. Draw all the fish in the bottom circle.

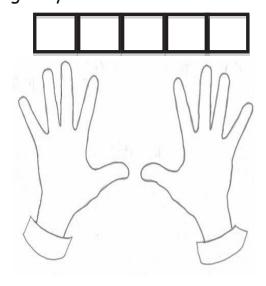


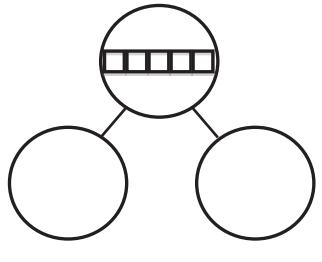
Draw a square for each fish in the top circle. Draw a square for each goldfish in the bottom circle. In the last circle on the bottom, draw a square for each spiny fish.

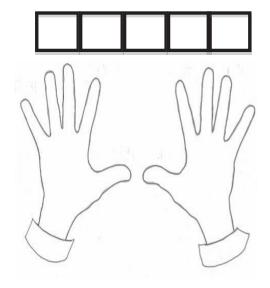


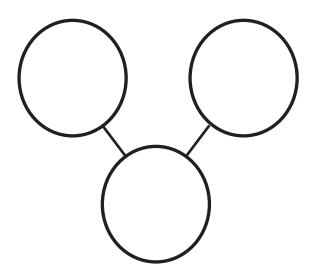
Name	Date

The squares below represent a cube stick. Color some squares blue and the rest of the squares red. Draw the squares you colored in the number bond. Show the hidden partners on your fingers to an adult. Color the fingers you showed.



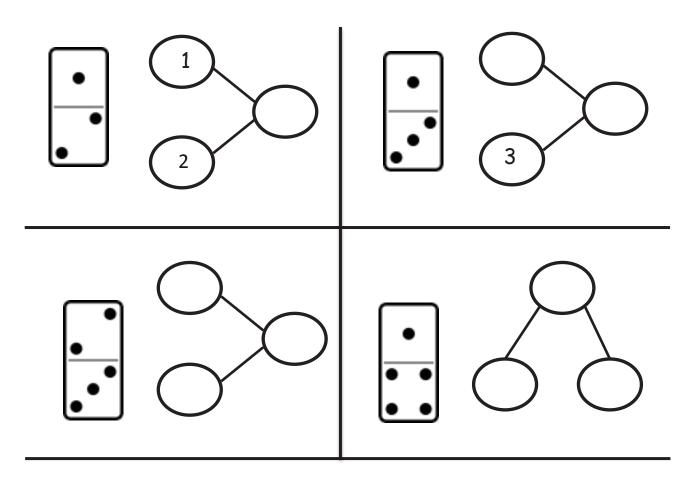






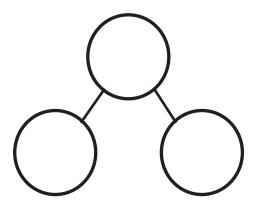
Name \_\_\_\_ Date \_\_\_\_

Fill in the number bond to match the domino.



Fill in the domino with dots, and fill in the number bond to match.





Lesson 3:

Represent composition story situations with drawings using numeric number bonds.

Name	Date
Finish the number bonds. Finish the sentence.	
3 is and	$\begin{pmatrix} 2 \end{pmatrix}$ $\begin{pmatrix} 1 \end{pmatrix}$
	4
is and	











Tell an adult a story about the animals, and then make a number sentence and number bond about it.

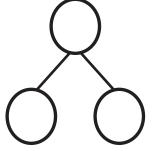
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is



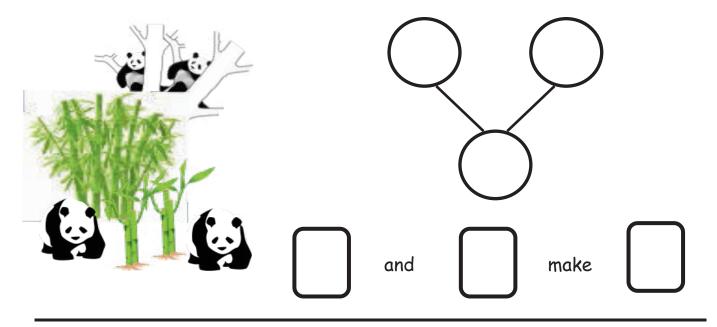
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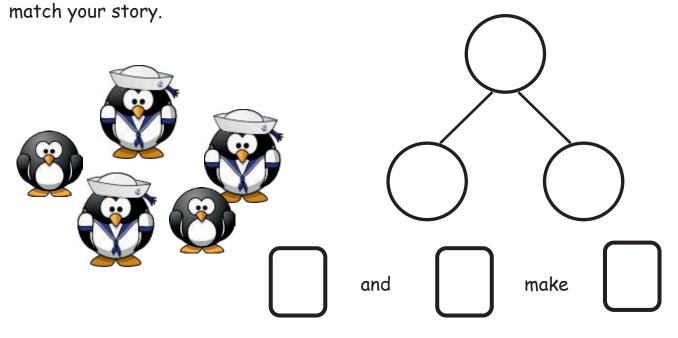


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There are 2 pandas in a tree. 2 more are walking on the ground. How many pandas are there? Fill in the number bond and the sentence.



Tell a story about the penguins. Fill in the number bond and the sentence to

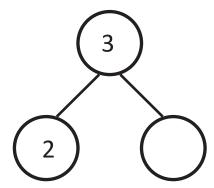




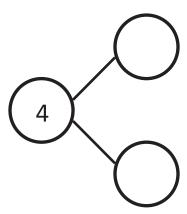
Name	Date
Nume	Date

Tell a story. Complete the number bonds. Draw pictures that match your story and number bonds.

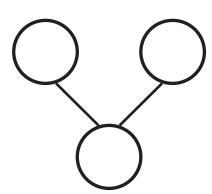
Draw some balls for your story.



Draw some crayons for your story.



Draw some shapes for your story.

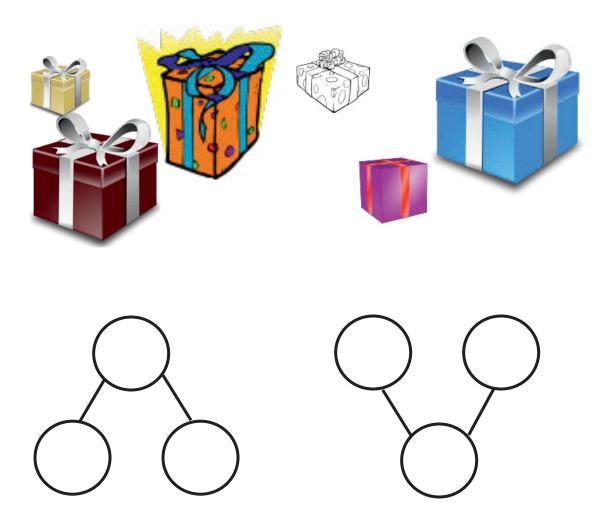


On the back of your paper, draw a picture and make a number bond.



	Name	Date	
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Look at the presents. Make 2 different number bonds. Tell an adult about the numbers you put in the number bonds.



On the back of your paper, draw 6 presents and sort them into 2 groups. Make a number bond and fill it in according to your sort.



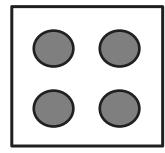
Name	Date
Draw a set of 4 circles and 3 triangles	s. How many shapes do you have?
Fill in the number sentence and number	er bond.
is and	
The squares represent cube sticks. Color the cubes to match the number bond.	Color some cubes red and the rest blue. Fill out the number bond to match.
5 7 2	

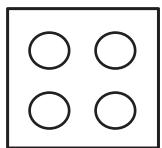
On the back of your paper, draw a set of 7 squares and circles. Make a number bond and fill it in. Now, write number sentence like the sentence above that tells about your set.

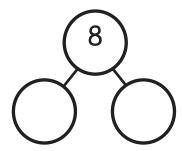


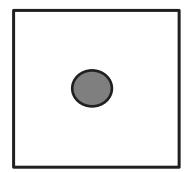
Date \_\_\_\_ Name

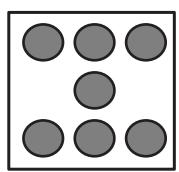
Complete the number bond to match the dot picture.

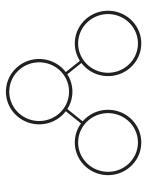




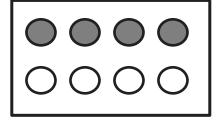


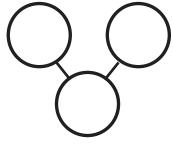




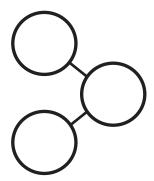


Draw a line to make 2 groups of dots. Fill in the number bond.









On the back of your paper:

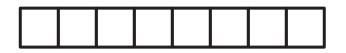
- Draw a number bond for 4. Fill in the number bond.
- Draw a number bond for 5. Fill in the number bond.
- Draw a number bond for 6. Fill in the number bond.
- Draw a number bond for 7. Fill in the number bond.

Lesson 9:



Name	Date
These squares below represent cubes. Color 7 and 1 blue. Fill in the number bond.	cubes green
is and	
Color 6 cubes green and 2 blue. Fill in the nur	mber bond.
is and	
Color some cubes green and the rest blue. Fill	in the number bond.
is and	

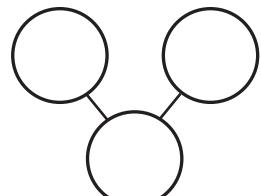
Color 4 cubes green and 4 blue. Fill in the number bond.











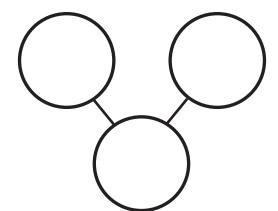
Color 3 cubes green and 5 blue. Fill in the number bond.



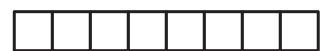
is



and



Color some cubes green and the rest blue. Fill in the number bond.



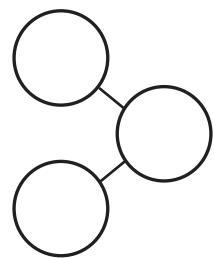


is



and





Lesson 10:

Model decompositions of 6–8 using linking cube sticks to see patterns.

Name	Date
These squares represent cubes. Color 1 blue. Fill in the number bond.	r 5 cubes green and
6 is and	
Color 5 cubes green and 2 blue. Fill	in the number bond.
is and	
Color 4 cubes green and 3 blue. Fill	in the number bond.

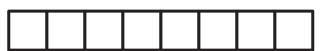
Lesson 11:

and

Represent decompositions for 6–8 using horizontal and vertical number bonds.

is

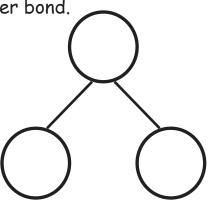
Color 4	cubes	green and	d 4 blue	Fill in 1	the num	her	bond
	Cubes	gi een un	a T Diue.	1 111 111 1	ine nun	1061	Dulla.



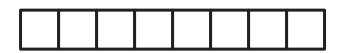








Color 3 cubes green and 5 blue. Fill in the number bond.

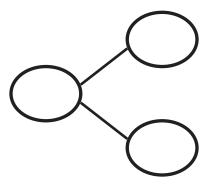




is







Color 2 cubes green and 6 blue. Fill in the number bond.



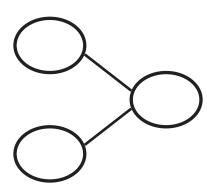


is



and





Lesson 11:

Represent decompositions for 6-8 using horizontal and vertical number bonds.

Name

Date \_\_\_\_

Fill in the number bond to match the squares.





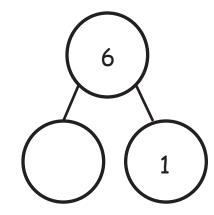




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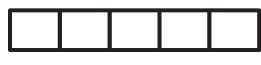


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Color 5 squares blue in the first row.

Color 2 squares red in the second row.

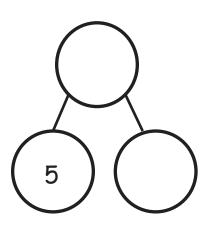








more

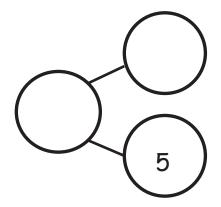


Color 8 squares. Complete the number bond and sentence.





more



Lesson 12:

Use the 5-groups to represent the 5 + n pattern to 8.

Color the sticks to match the number bond.





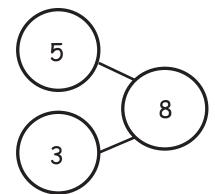


is



and





Color the sticks to match the number bond.







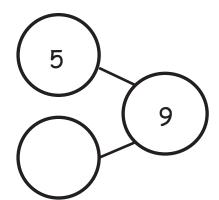
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and

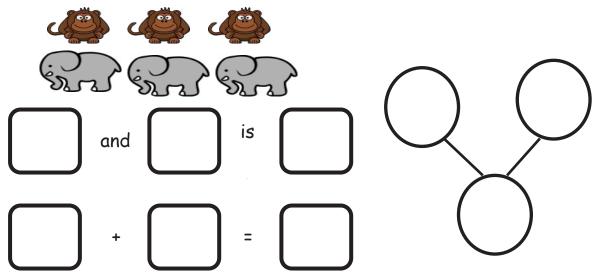


more



Name	Date
There are 6 animals. 4 are 1	
is	and O
=	<b>1</b> • • • • • • • • • • • • • • • • • • •

There 3 are monkeys and 3 elephants. All 6 animals are going into the circus tent. Fill in the number sentence and the number bond.



On the back of your paper, draw some animals. Make a number bond to match your picture.



Name Date















There are 7 bears. 3 bears have bowties. 4 bears have hearts. Fill in the number sentences and the number bond.



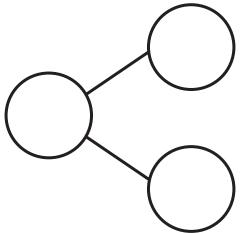






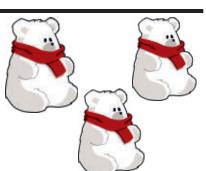












5 bears have scarves on, and 2 do not. There are 7 bears.

Write a number sentence that tells about the bears.







On the back of your paper, draw a picture about the 7 bears. Write a number sentence and make a number bond to go with it.

Lesson 14:

Represent decomposition and composition addition stories to 7 with drawings and equations with no unknown.



Date \_\_\_\_

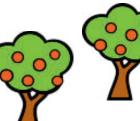




There are 8 trees. 5 are palm trees, and 3 are apple trees. Fill in the number sentences and the number bond.

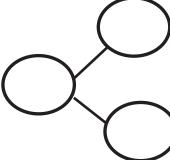












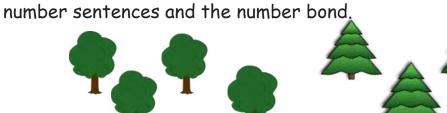






There are 8 trees. 4 are oak trees, and 4 are spruce trees. Fill in the





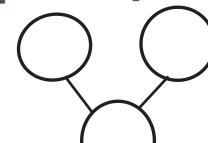
















Lesson 15:

Represent decomposition and compositions addition stories to 8 with drawings and equations with no unknown.

Name \_\_\_\_\_

Date \_\_\_\_\_



There are 3 penguins on the ice. 4 more penguins are coming. How many penguins are there?

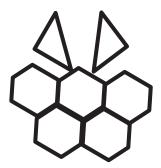


There is 1 mama bear. 5 baby bears are following her. How many bears are there? Draw a box for the answer.

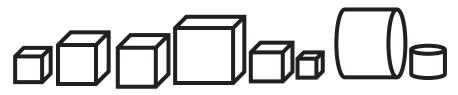
Draw 7 balls in the ball box. Draw a girl putting 1 more ball in the ball box. Circle all the balls, and draw a box for the answer. Write your answer.

Name

Date \_\_\_\_



There are 5 hexagons and 2 triangles. How many shapes are there?



There are 6 cubes and 2 cylinders. How many shapes are there?

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		_
		_
		_
		_
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On the back of your paper, draw some shapes, and make a number sentence to match.

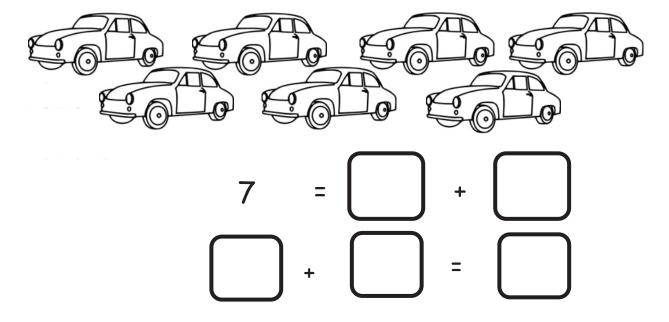
Lesson 17:

Solve put together with total unknown word problems to 8 using objects and drawings.



Name Date
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Ted has 7 toy cars. Color some cars red, and the rest blue. Write a number sentence that shows how many are red and how many are blue.



Chuck has 8 balls. Some are red, and the rest are blue. Color to show Chuck's balls. Fill in the number sentences.

+	=	
=	•	

Vame			Date	
1 train drove awa	y. Cross out 1. W	rite how many	/ were left.	
2 horses were bo	ought. Cross out 2	. How many w	vere left at tl	ne store?
E T	Š Š			
4 ducks swam aw	ay. Cross out 4. \	Write how man	ny are left.	
3	5 5	3	3	

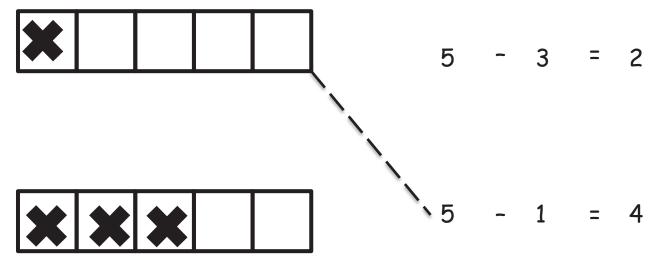
There are 7 apples in the tree. Draw them. A bird ate 1 of them, so cross it out. How many apples are left?





Name	Date
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The squares below represent cube sticks. Match the cube stick to the number sentence.



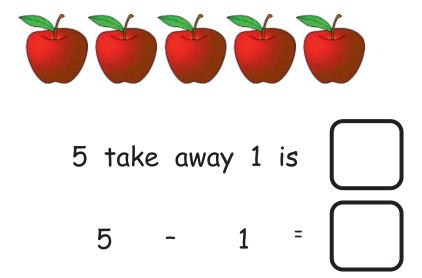




On the back of the paper, draw a 5-stick, cross out some cubes, and write a number sentence.



There were 5 apples. Bill ate 1. Cross out the apple he ate. How many apples were left? Fill in the boxes.



There were 5 oranges. Pat took 2. Draw the oranges. Cross out the 2 she took. How many oranges were left? Fill in the boxes.

5	take	away	2	is	
	) -			=	



Name

Date

Here are 6 books. Cross out 2. How many are left? Fill in the number

bond and the number sentence.







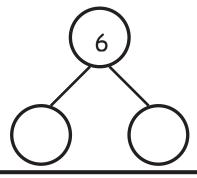




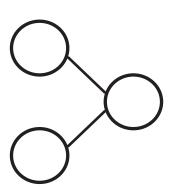




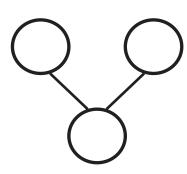




Draw 6 stars. Cross out 4. Fill in the number sentence and the number bond.



Draw 6 objects. Cross out 5. Fill in the number sentence and the number bond.





On the back of your paper, draw 6 triangles. Cross out 1. Write a number sentence, and draw a number bond to match.

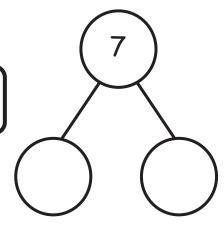


Name

Date \_\_\_\_

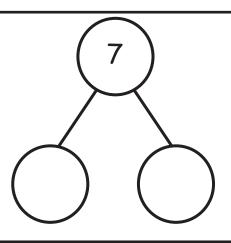
Fill in the number sentence and number bond.

Cross out 5 dots.



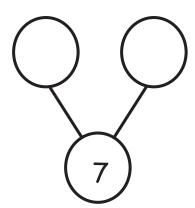
Draw 7 dots. Cross out 3 dots.





Draw 7 dots in a 5-group like the first problem. Cross out 4 dots.





On the back of your paper, draw 7 dots. Cross out some, and write a number sentence and a number bond to match.



Name \_\_\_\_

Date \_\_\_\_

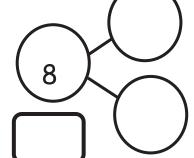
Here is 8 the 5-group way. Put an X on 2 cubes. How many are left?

Fill in the number sentence and number bond.









Here is 8 the 5-group way. Put an X on 4 cubes. How many are left?

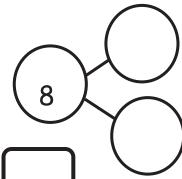
Fill in the number sentence and number bond.





8





Draw 8 the 5-group way. Put an X on some cubes. How many are left? Write the number sentence and the number bond.

On the back of your paper, draw 7 the 5-group way. Put an X on some, and write a number sentence and number bond.



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1		
- 1		

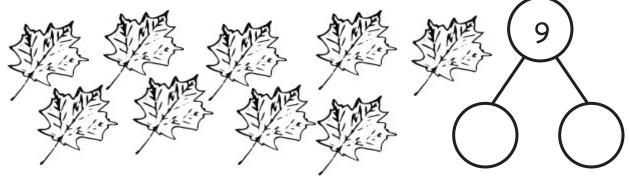
Lesson 24:

Decompose the number 8 using 5-group drawings and crossing off a part, and record each decomposition with a drawing and subtraction equation.

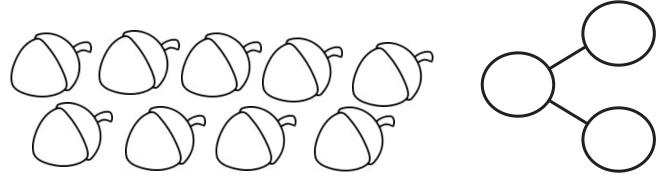


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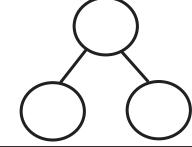
There are 9 leaves. Color some of them red and the rest of them yellow. Fill in the number bond to match.



There are 9 acorns. Color some of them green and the rest yellow. Fill in the number bond to match.



Draw 9 birds. Color some of them blue and the rest red. Fill in the number bond to match.



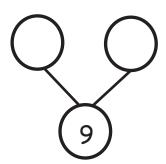
On the back of your paper, draw 9 triangles. Color some red and some brown. Draw and fill in a number bond to match.



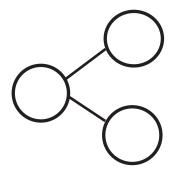
Name			 Date	
The squares below Do the linking cub	•		d? Circle yes	or no.
				9)
	Yes	No		8
				5
	Yes	No	9)	4
			3	
	Yes	No	6	9

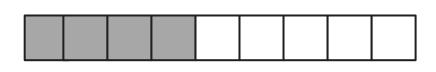
Make the number bond match the cube stick.

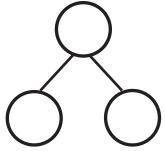


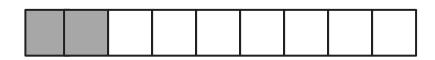


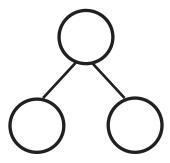










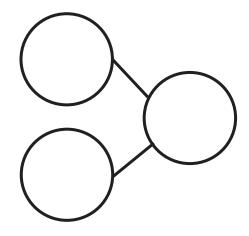


Vame	Date
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Pretend this is your bracelet.

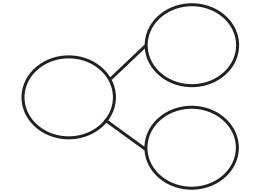
Color 5 beads blue and the rest green. Make a number bond to match.





Color some beads yellow and the rest orange. Make a number bond to match.

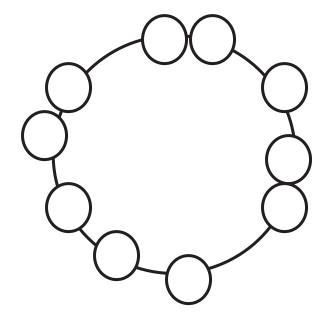




Color some beads yellow and the rest black. Make a number bond to match.

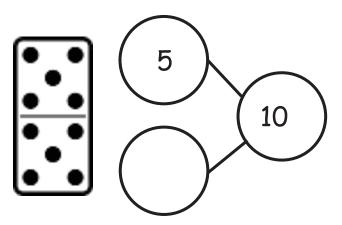


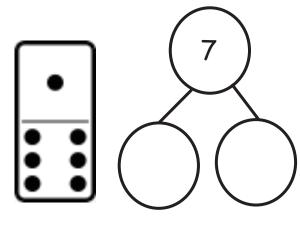
Color some beads purple and the rest green. Make a number bond to match.

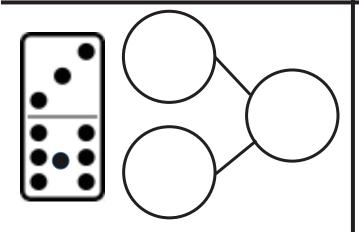


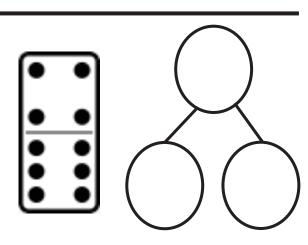
Name \_\_\_\_ Date \_\_\_\_

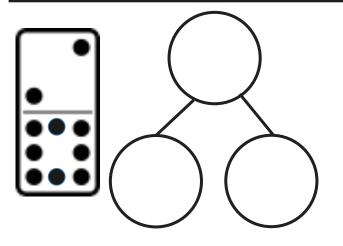
Write a number bond to match the domino.











On the back of your paper, draw 1 of the dominoes and a blank number bond. Pretend you are the teacher, and ask an adult at home to fill it in.



Date \_\_\_\_ Name \_\_\_\_

Jack found 7 balls while cleaning the toy bin. He found 6 basketballs and 1 baseball. Fill in the number sentence and the number bond.







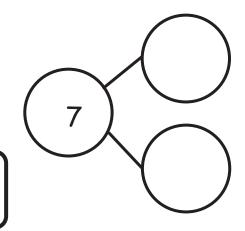












Jack found 7 mitts and 2 bats. He found 9 things. Fill in the number sentence and the number bond.





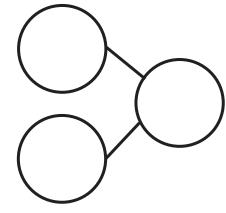








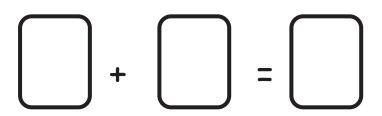




Jack found 8 hockey pucks and 1 hockey stick. He found 9 hockey things. Draw the hockey pucks and stick in the 5-group way. Fill in the number sentence.



Jack needs a snack. He found 9 pieces of fruit. 5 were strawberries, and 4 were grapes. Draw the strawberries and grapes in the 5-group way. Fill in the number sentence.

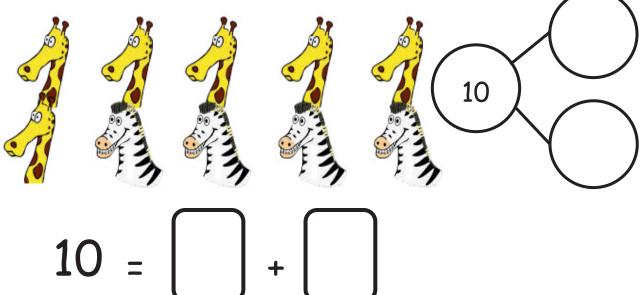


Name Date
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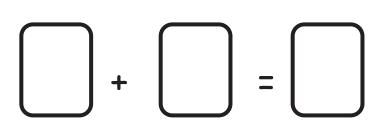
Fill in the number bonds, and complete the number sentences.

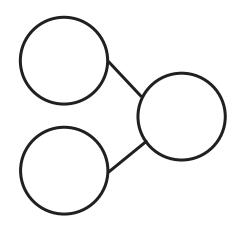
Scott went to the zoo. He saw 6 giraffes and 4 zebras. He saw 10 animals





Susan saw 10 animals at the zoo. She saw 5 lions and 5 elephants. Draw the animals in the 5-group way.





Make 2 groups. Circle 1 of the groups. Write a number sentence to match. Find as many partners of 10 as you can.

Draw 10 dots the 5-group way. Make 2 groups. Circle one of the groups. Write a number sentence to match your drawing.

Name		
Draw the story. Fill in the number sentence.		
Jake has 7 chocolate cookies and 2 sugar cookies he have altogether?	. How many cookies does	

Jake's mother bought juice boxes. 4 were apple juice, and 5 were orange juice. How many juice boxes did she have in all?

Draw the story. Write a number sentence to match.

Ryan had 5 celery sticks and 5 carrot sticks. How many veggie sticks did Ryan have altogether?

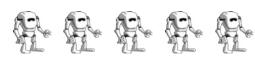
Draw an addition story, and write a number sentence to match it. Explain your work to an adult at home.

Vame	Date
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Color the robots to match the number sentence. Tell a story about the robots.

$$10 = 5 + 5$$

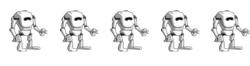
		Chin



$$10 = 6 + 4$$

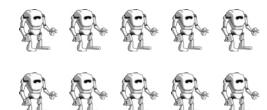


$$10 = 7 + 3$$





$$10 = 9 + 1$$





Name \_\_\_\_ Date \_\_\_\_\_

Jerry has 9 baseball hats. Draw the hats the 5-group way. Color some red and some blue. Fill in the number sentence to match.

Anne had 10 pencils. Draw the pencils the 5-group way. Color some pencils blue and some yellow. Fill in the number sentence to match.

There are 10 apples. Color some red and the rest green. Then, show a different way the apples could look. Fill in the number sentences to match.



Anya has 9 stuffed cats. Some are orange, and the rest are gray. Show two different ways Anya's cats could look. Fill in the number sentences to match.















Name \_\_\_\_ Date \_\_\_\_\_

Fill in the number sentence and the number bond.

There were 10 teddy bears. Cross out 2 bears. There are 8 bears left.











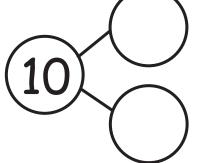






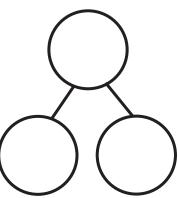






There were 10 teddy bears. Cross out 9. There is 1 left.





There were 10 teddy bears. Cross out 3. There are 7 bears left.



















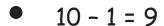


Lesson 33:

Solve take from equations with no unknown using numbers to 10.

Draw a line from the picture to the number sentence it matches.

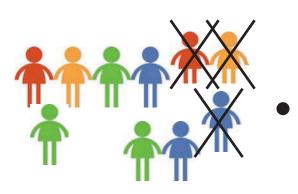








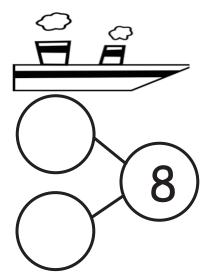




Name	Date
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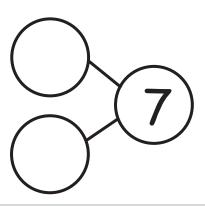
There were 8 penguins. 2 penguins went back to the ship. Cross out 2 penguins. Fill in the number sentence and the number bond.



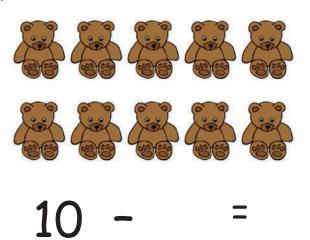


The squares below represent cubes.

Count the cubes. Draw a line to break 4 cubes off the train. Fill in the number sentence and the number bond.



There are 10 bears. Some go inside the cave to hide. Cross them out. Complete the number sentence.





Complete these number sentences.

$$\begin{bmatrix} \\ \end{bmatrix}$$
 = 2 + 3

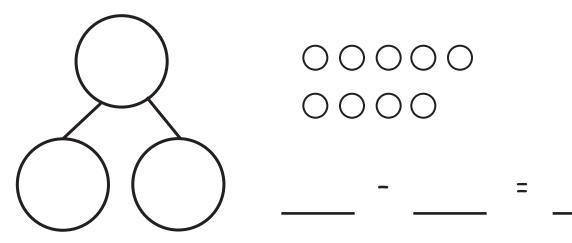
Complete these number sentences.

$$\begin{bmatrix} \\ \end{bmatrix} = 4 - 2$$

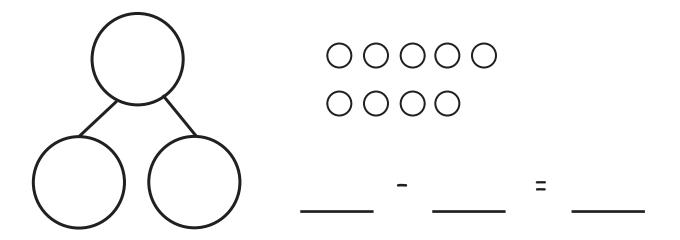
Name Date
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Cross off the part that goes away. Fill in the number bond and number sentence.

Mary had 9 library books. She returned 1 book to the library. How many books are left?

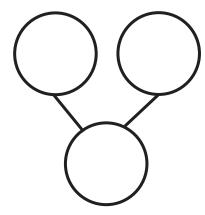


There were 9 lunch bags. 3 bags were thrown away. How many bags are there now?

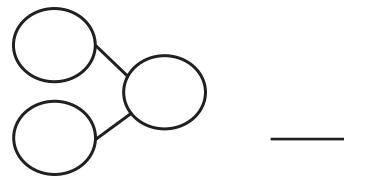


Make a 5-group drawing to show the story. Cross off the part that goes away. Fill in the number bond and number sentence.

Ms. Lopez has 9 pencils. 7 of them broke. How many pencils are left?



There are 9 soccer balls. The team kicked 5 of the balls at the goal. How many soccer balls are left?

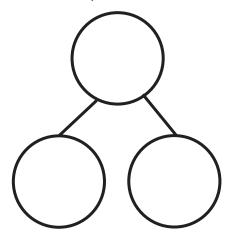


Subtract.

Name	Date	

Fill in the number bond and number sentence. Cross off the part that goes away.

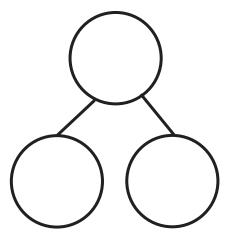
MacKenzie had 10 buttons on her jacket. 2 buttons broke off her jacket. How many buttons are left on her jacket?



0000



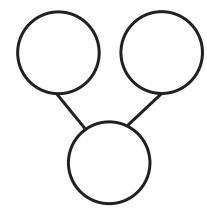
Donna had 10 cups. 6 cups fell and broke. How many unbroken cups are there now?



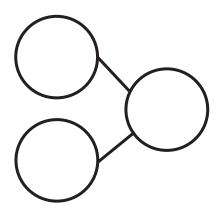
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Make a 5-group drawing to show the story. Fill in the number bond and number sentence. Cross off the part that goes away.

There were 10 butterflies. 9 butterflies flew away. How many are left?



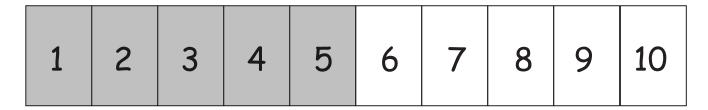
Bob had 10 toy cars. 4 cars drove away. How many cars are left?



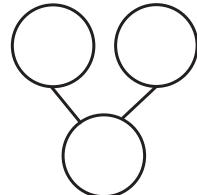
Subtract.

Name	Date	

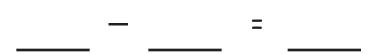
Listen to each story. Show the story with your fingers on the number path. Then, fill in the number sentence and number bond.

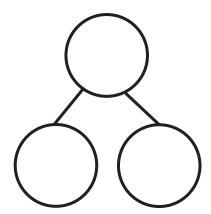


Joey had 5 pennies. He found 3 pennies in the couch. How many pennies does Joey have now?



Joey gave the 3 pennies to his dad. How many pennies does Joey have now?

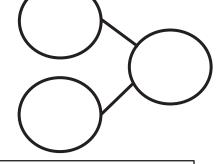




Siri had 9 pennies. She looked all around the house but could not find any more pennies. How many pennies does she have now?

+	

There were 8 children waiting for the school bus. No more children came to the bus stop. How many children are waiting now?



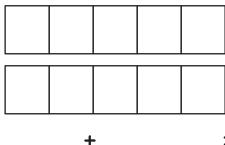
Solve.

Name	

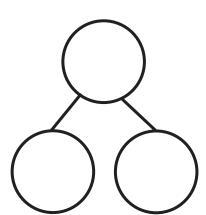
Date \_\_\_\_

Follow the instructions to color the 5-group. Then, fill in the number sentence or number bond to match.

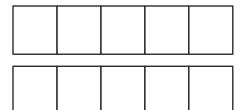
Color 9 squares green and 1 square blue.



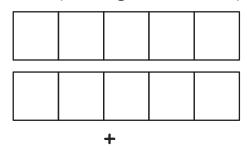
A STORY OF UNITS

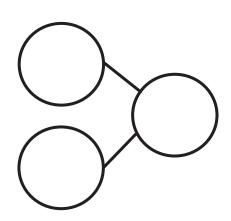


Color 8 squares green and 1 square blue.



Color 7 squares green and 1 square blue.

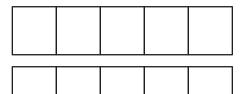


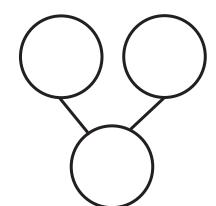


Lesson 38:

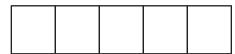
Add 1 to numbers 1–9 to see the pattern of the next number using 5-group drawings and equations.

Color 2 squares green and 1 square blue.



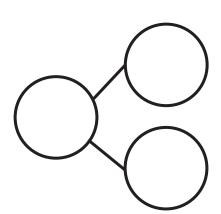


Color 1 square green and 1 square blue.



Color O squares green and 1 square blue.





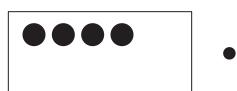
Subtract.

Lesson 38:

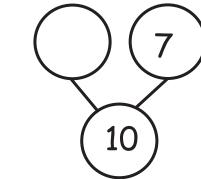
Add 1 to numbers 1–9 to see the pattern of the next number using 5-group drawings and equations.

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Name	Date

Draw dots to make 10. Finish the number bonds. Draw a line from the 5-group to the matching number bond.

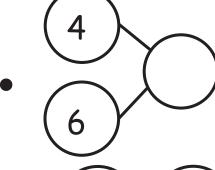


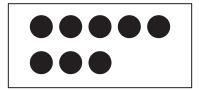


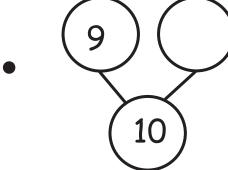


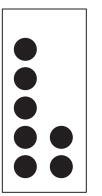


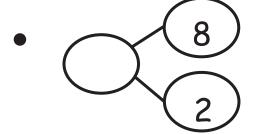








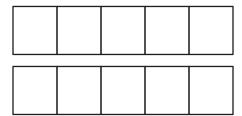


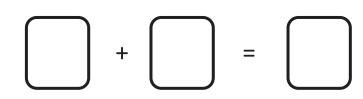


Name \_\_\_\_

Date \_\_\_\_\_

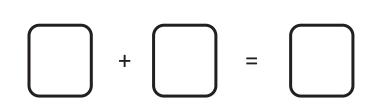
Color 2 boxes red the 5-group way. Color the rest blue to make 10. Fill in the number sentence.



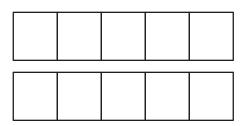


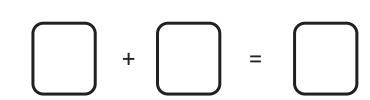
Color 5 boxes red the 5-group way. Color the rest blue to make 10. Fill in the number sentence.



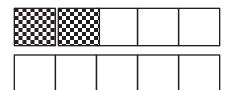


Color 7 boxes red the 5-group way. Color the rest blue to make 10. Fill in the number sentence.

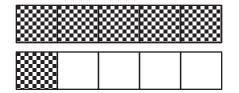




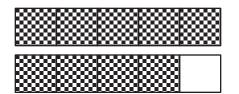
Match.



• 
$$1 + 9 = 10$$

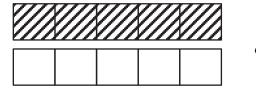


$$\bullet$$
 8 + 2 = 10

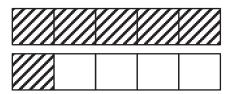


$$6 + 4 = 10$$





• 
$$5 + 5 = 10$$



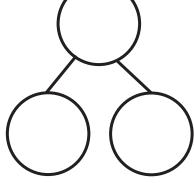
$$3 + 7 = 10$$

Name	Date

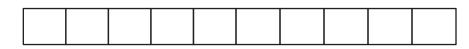
Complete a number bond and number sentence for each problem.

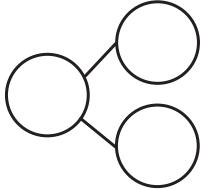
Color 6 blocks blue. Color the rest red. All of the blue blocks fell off the table. How many blocks are still on the table?



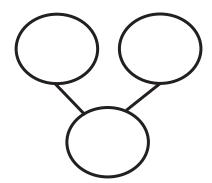


Color some blocks orange and the rest yellow to make 10. All of the yellow blocks fell off the table. How many blocks are left?





Draw 5 dogs and some cats the 5-group way.



There were 10 horses in the yard. Some were brown, and some were white. Draw the horses the 5-group way. The brown ones went back into the barn. How many horses were still in the yard? Draw a number bond, and write a subtraction sentence.

Solve.









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