EUREKA MATH

A STORY OF UNITS

Mathematics Curriculum

Grade K • MODULE 4

Number Pairs, Addition and Subtraction to 10

Homework

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

Video tutorials: http://embarc.online

Version 3

Table of Contents

GRADE K • MODULE 4

Number Pairs, Addition and Subtraction to 10

Module Overview i

Topic A: Compositions and Decompositions of 2, 3, 4, and 5 ..... 4.A.1

Topic B: Decompositions of 6, 7, and 8 into Number Pairs 4.B.1

Topic C: Addition with Totals of 6, 7, and 8 ..... 4.C.1

Topic D: Subtraction from Numbers to 8 ..... 4.D.1

Topic E: Decompositions of 9 and 10 into Number Pairs 4.E.1

Topic F: Addition with Totals of 9 and 10 ..... 4.F.1

Topic G: Subtraction from 9 and 10 ..... 4.G.1

Topic H: Patterns with Adding 0 and 1 and Making 10 ..... 4.H.1

Module Assessments 4.S.1

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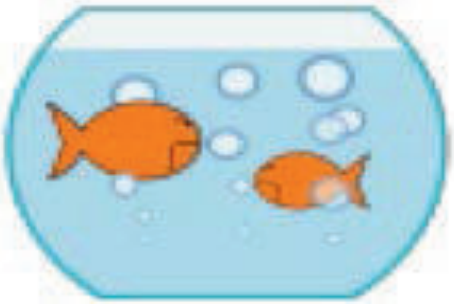
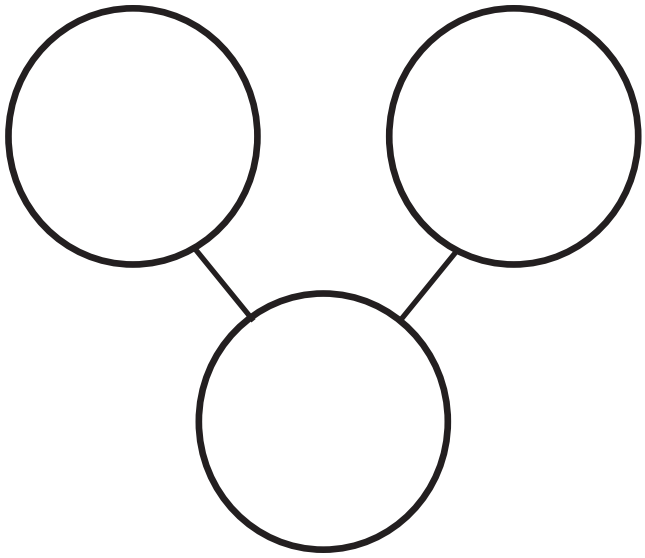
Name _____ Date _____

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.





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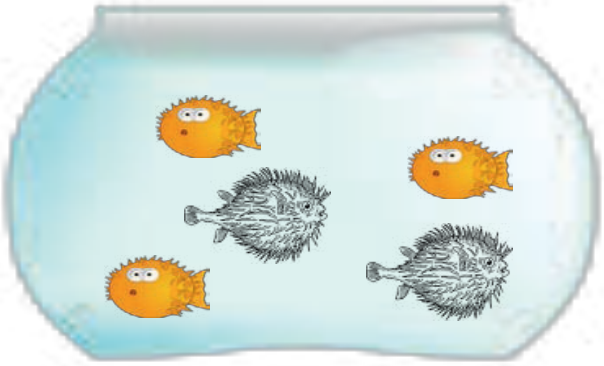
Draw a square for each fish in the top circle. Draw a square for each goldfish in the bottom circle. In the last circle on the bottom, draw a square for each spiny fish.



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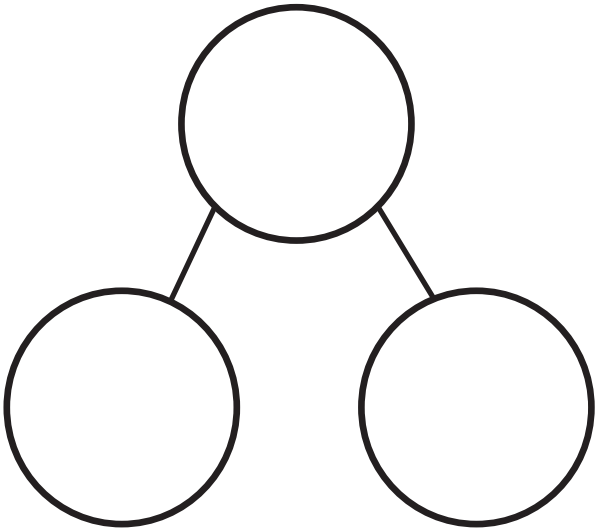

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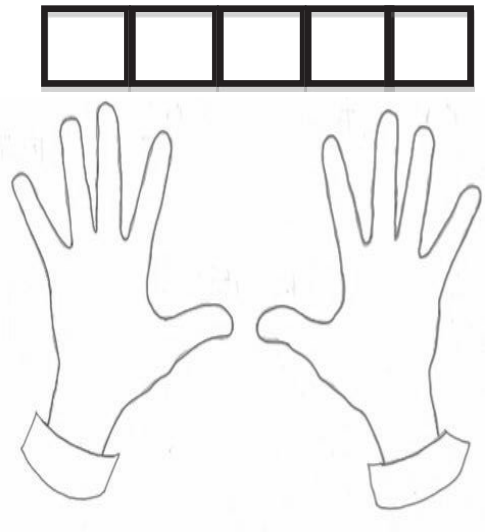
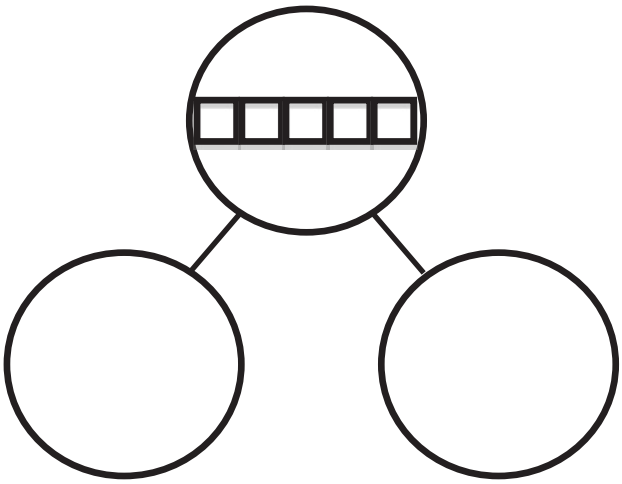
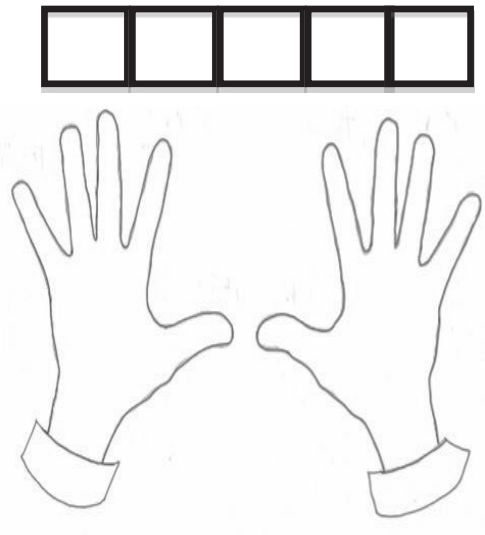
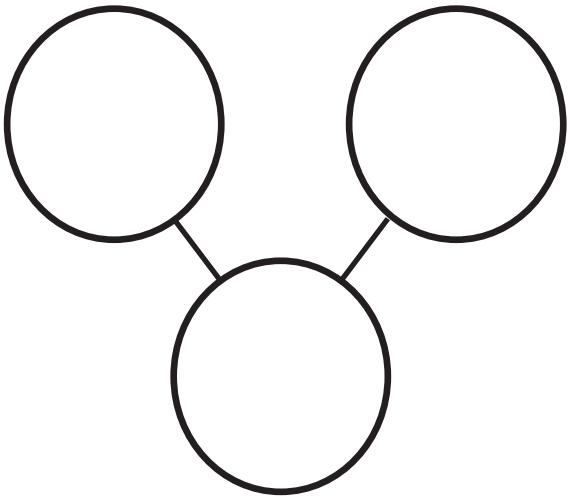
The squares below represent a cube stick. Color some squares blue and the rest of the squares red. Draw the squares you colored in the number bond. Show the hidden partners on your fingers to an adult. Color the fingers you showed.









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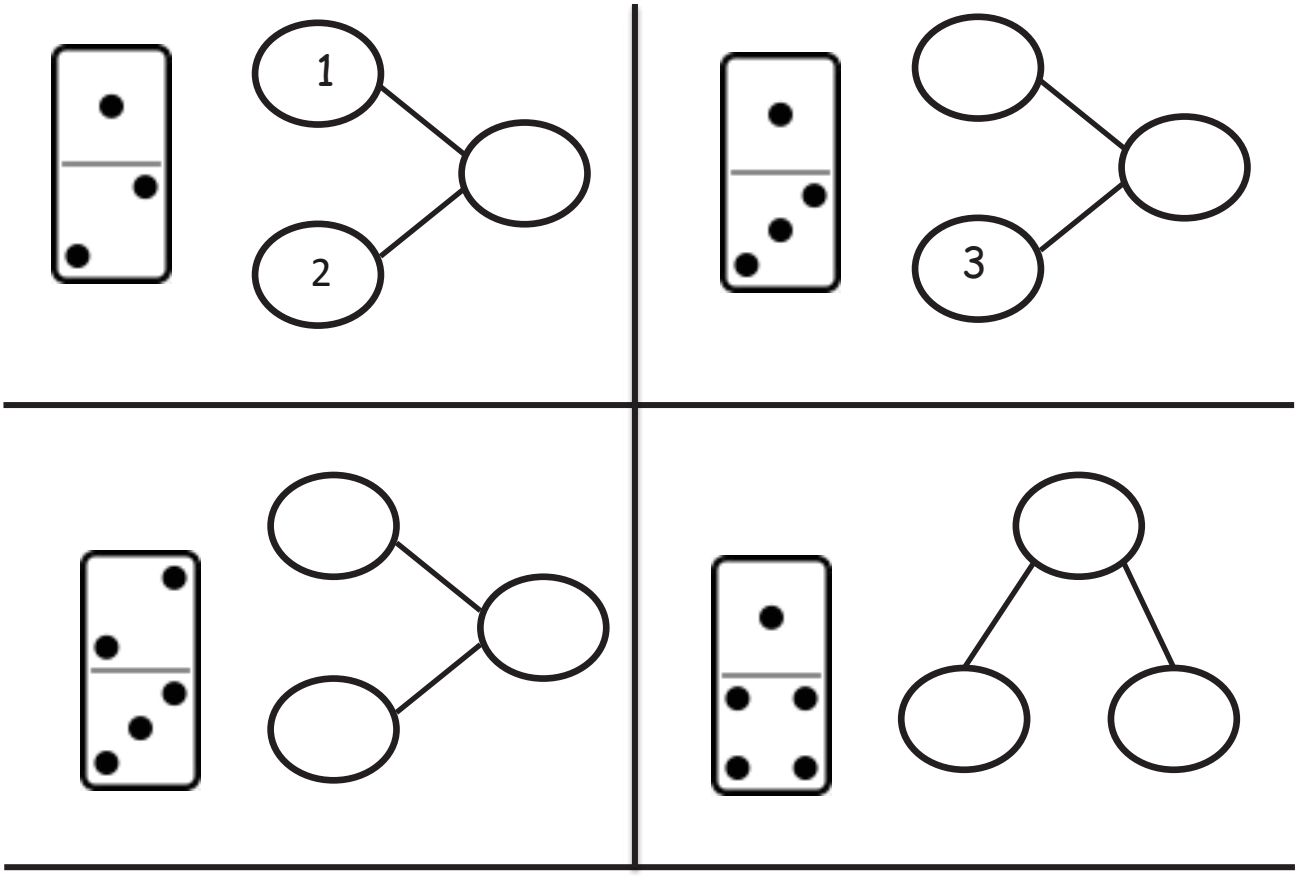
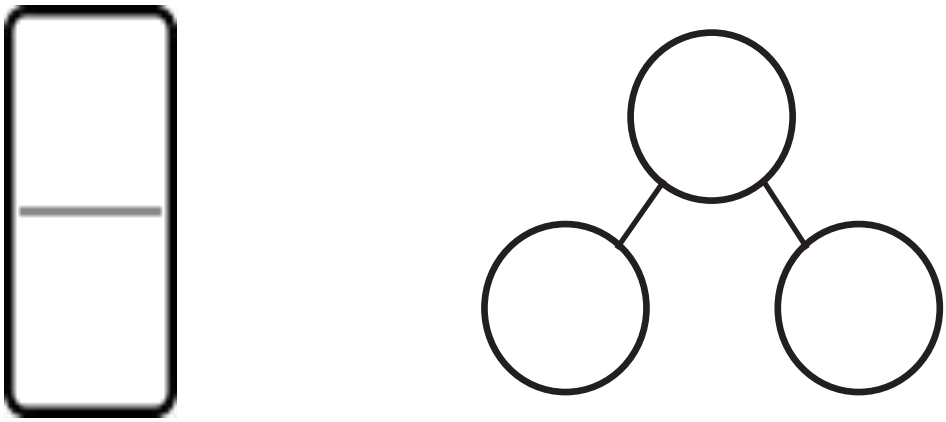
Fill in the number bond to match the domino.



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



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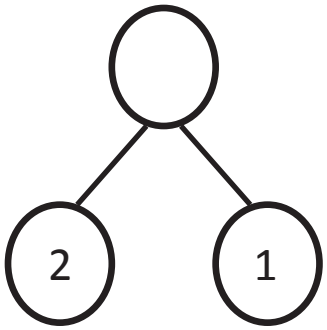
Finish the number bonds. Finish the sentence.



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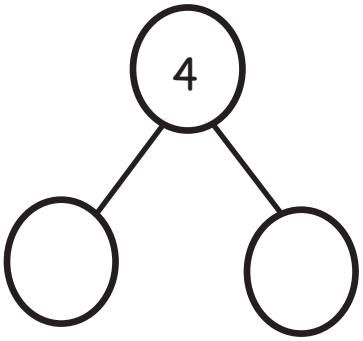

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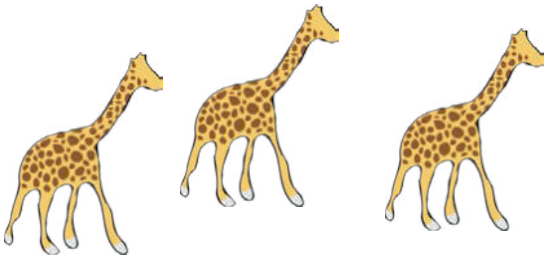
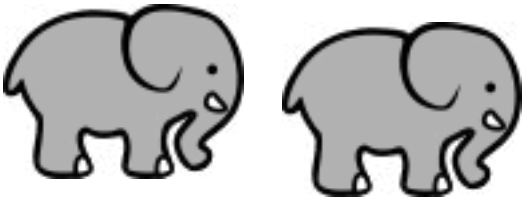
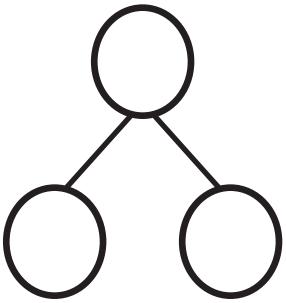




Tell an adult a story about the animals, and then make a number sentence and number bond about it.



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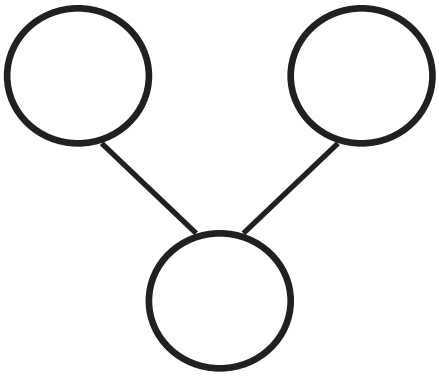
There are 2 pandas in a tree. 2 more are walking on the ground. How many pandas are there? Fill in the number bond and the sentence.



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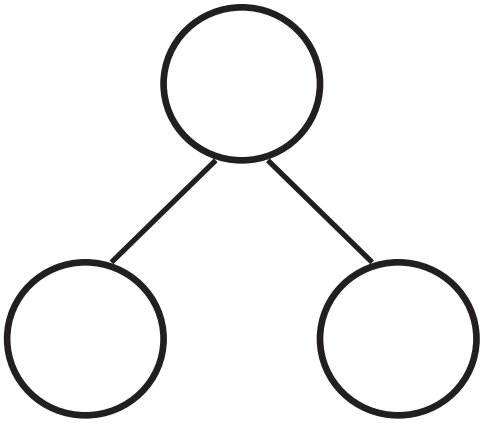
Tell a story about the penguins. Fill in the number bond and the sentence to match your story.



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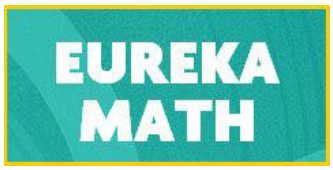
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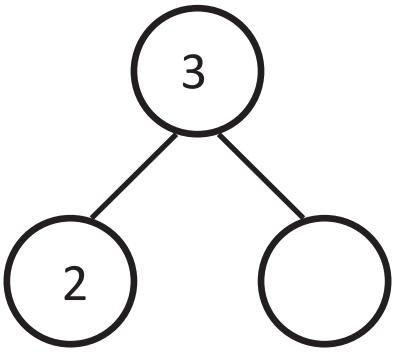
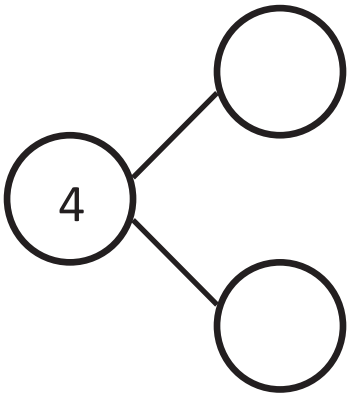
Tell a story. Complete the number bonds. Draw pictures that match your story and number bonds.

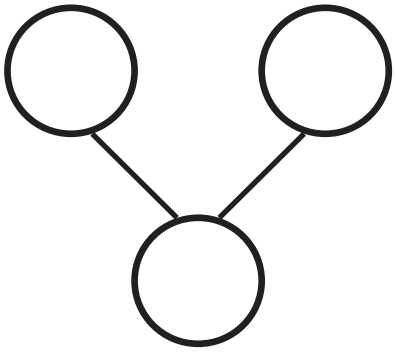
Draw some balls for your story.



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.

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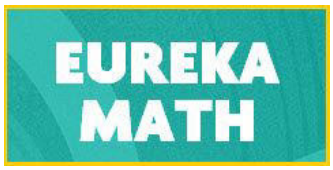
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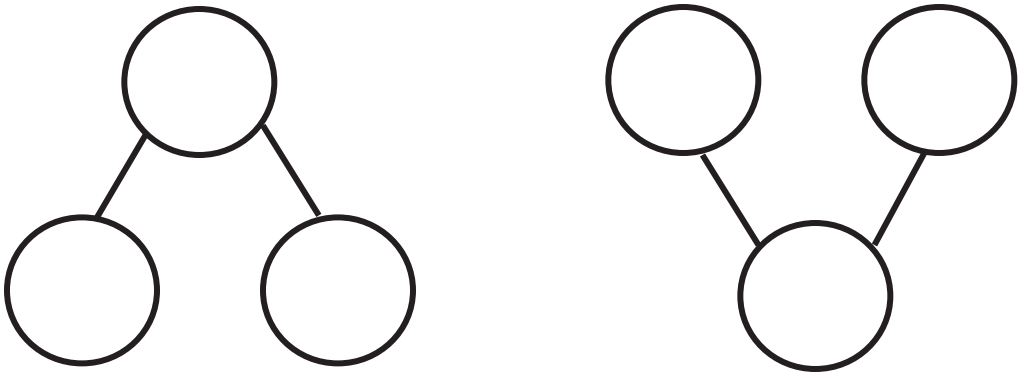
Look at the presents. Make 2 different number bonds. Tell an adult about the numbers you put in the number bonds.



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.

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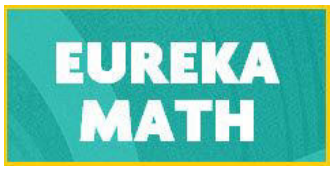
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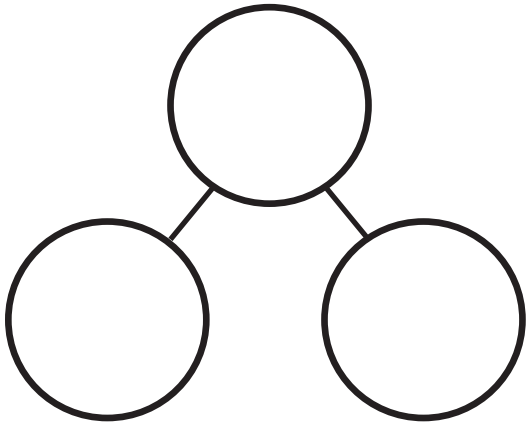
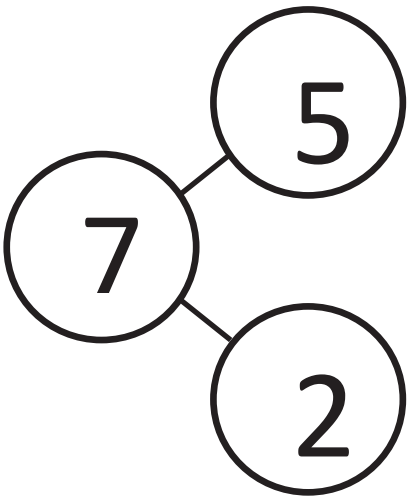
Draw a set of 4 circles and 3 triangles. How many shapes do you have?

Fill in the number sentence and number bond.

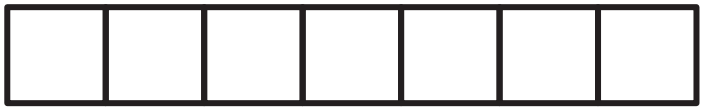


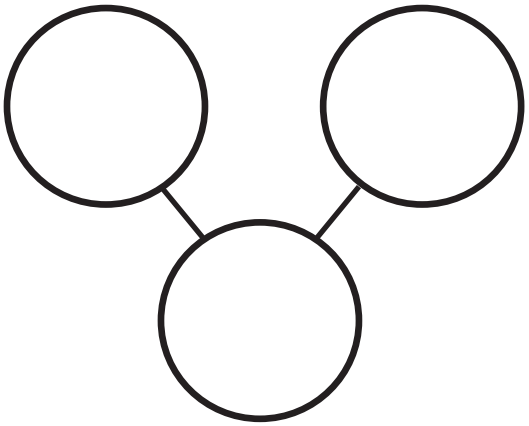
☐ is ☐ and ☐

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.





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.

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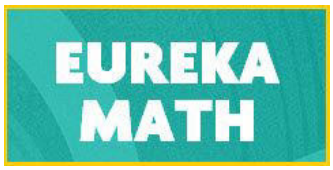
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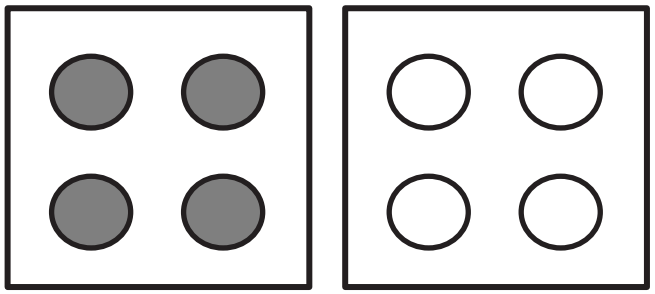
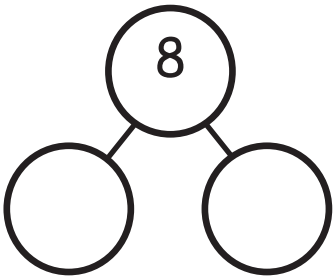
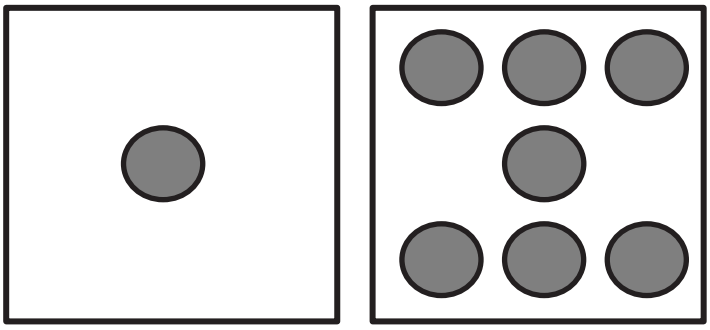
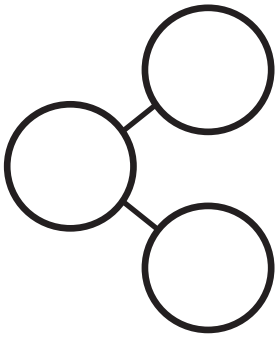
Complete the number bond to match the dot picture.

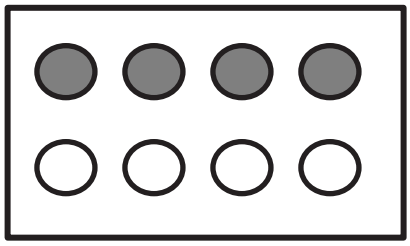


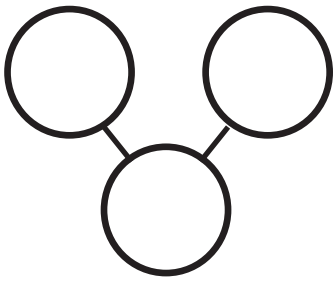


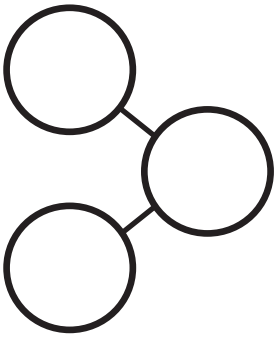




Draw a line to make 2 groups of dots. Fill in the number bond.







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.

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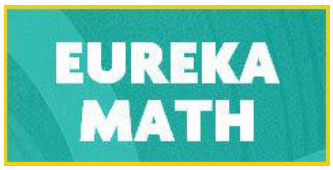
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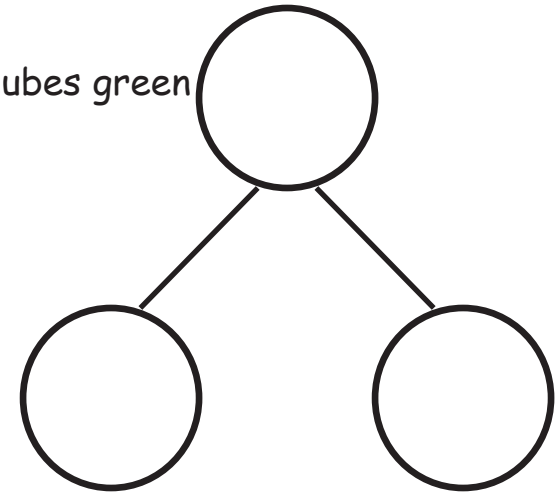
These squares below represent cubes. Color 7 cubes green and 1 blue. Fill in the number bond.



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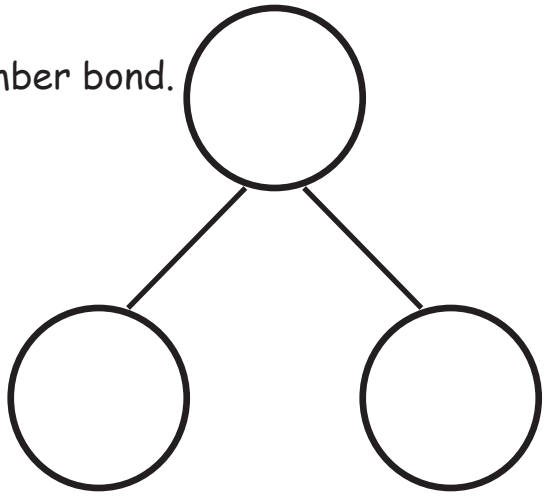
Color 6 cubes green and 2 blue. Fill in the number bond.



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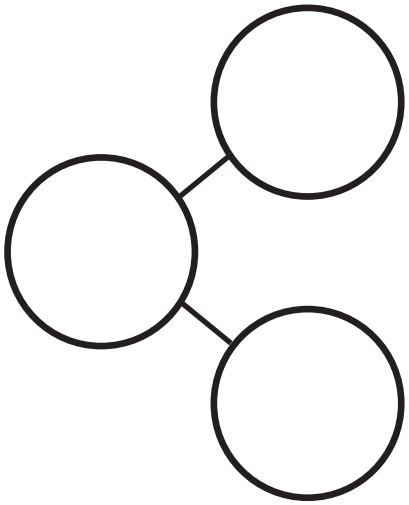
Color some cubes green and the rest blue. Fill in the number bond.



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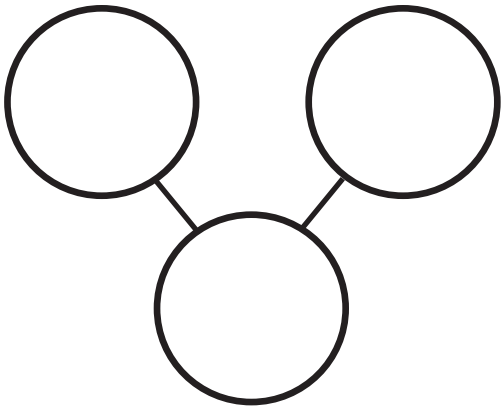
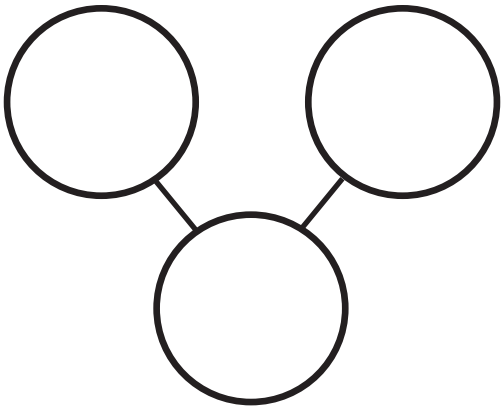
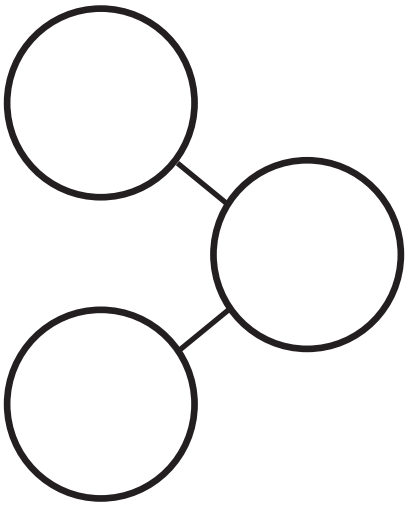
Color 4 cubes green and 4 blue. Fill in the number bond.



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



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



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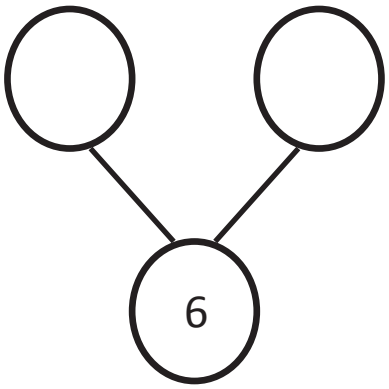
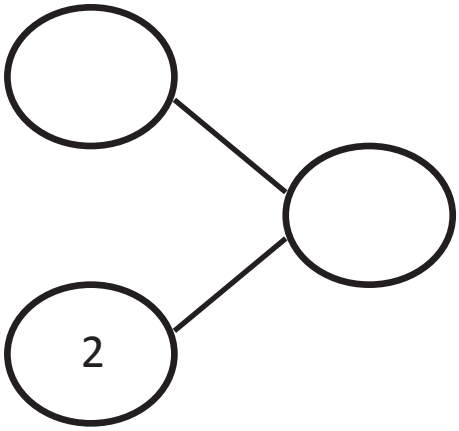
These squares represent cubes. Color 5 cubes green and 1 blue. Fill in the number bond.



6 is ☐ and ☐

Color 5 cubes green and 2 blue. Fill in the number bond.



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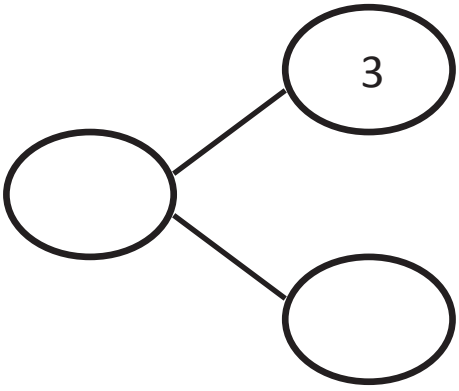
Color 4 cubes green and 3 blue. Fill in the number bond.



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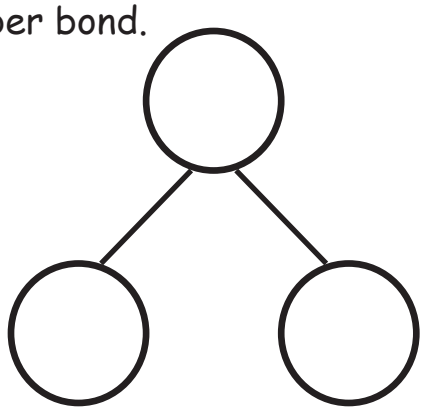
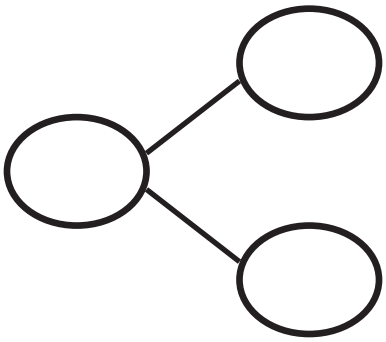
Color 4 cubes green and 4 blue. Fill in the number bond.



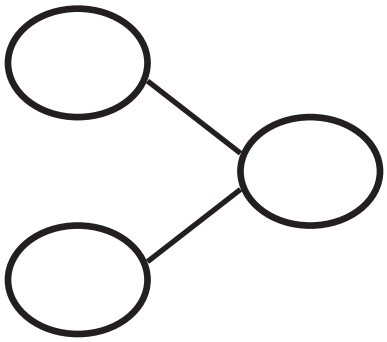
☐ is ☐ and ☐

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



☐ is ☐ and ☐

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



☐ is ☐ and ☐

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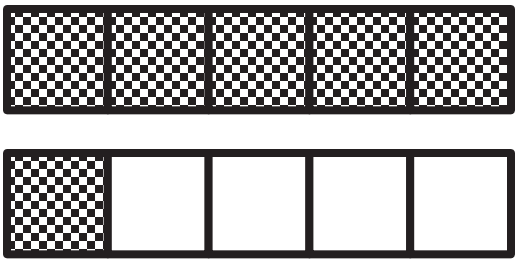
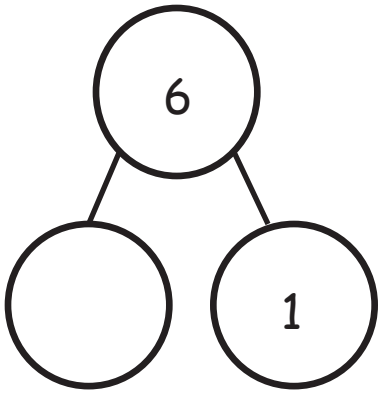
Name _____ Date _____

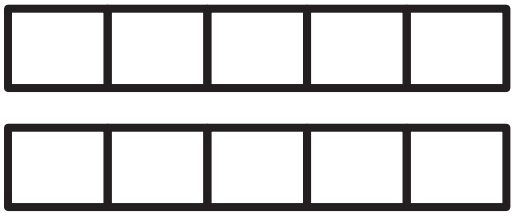
Fill in the number bond to match the squares.

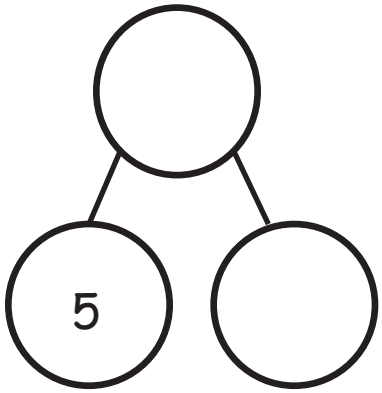




6 is ☐ and 1 more

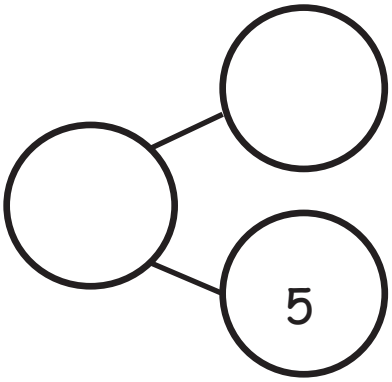
Color 5 squares blue in the first row.
Color 2 squares red in the second row.





☐ is 5 and ☐ more

Color 8 squares. Complete the number bond and sentence.



☐ is 5 and ☐ more

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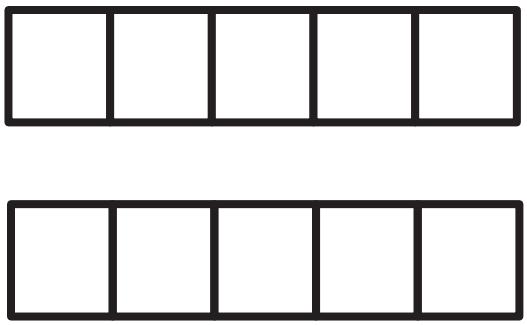
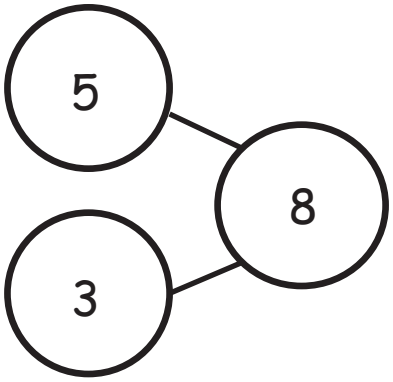
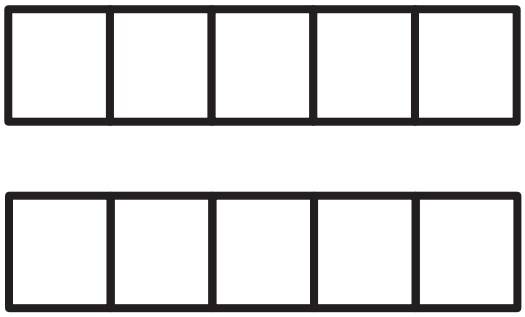
Color the sticks to match the number bond.

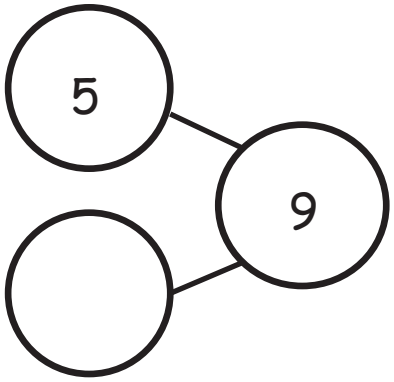




8 is ☐ and ☐ more

Color the sticks to match the number bond.





☐ is ☐ and ☐ more

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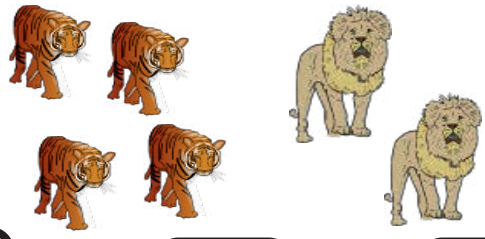
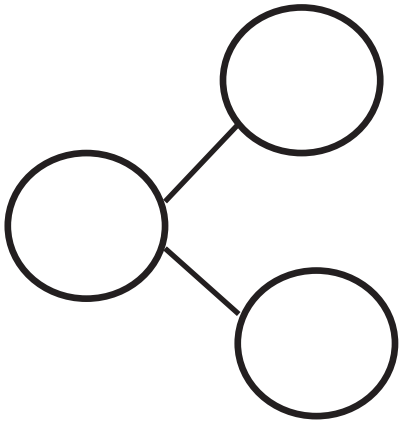
Name _____ Date _____

There are 6 animals. 4 are tigers, and 2 are lions.
Fill in the number sentences and the number bond.

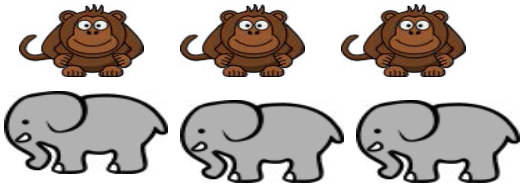


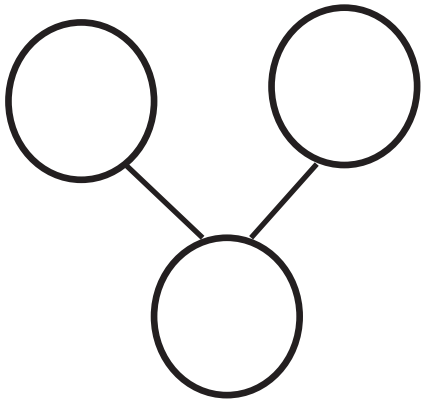


☐ is ☐ and ☐

☐ = ☐ + ☐

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.





☐ and ☐ is ☐

☐ + ☐ = ☐

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

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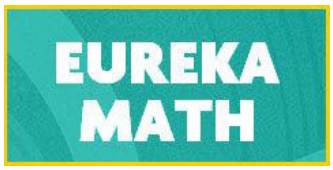
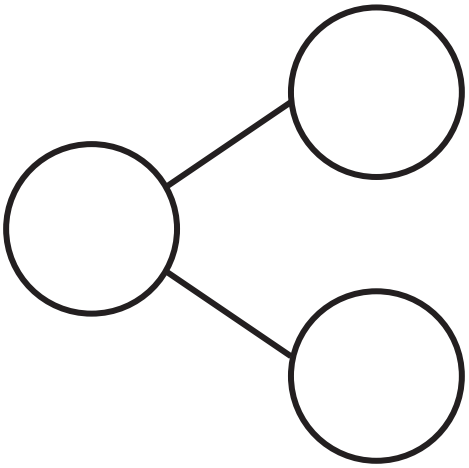

EUREKA
MATH

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.

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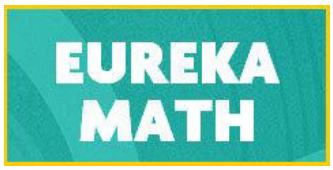
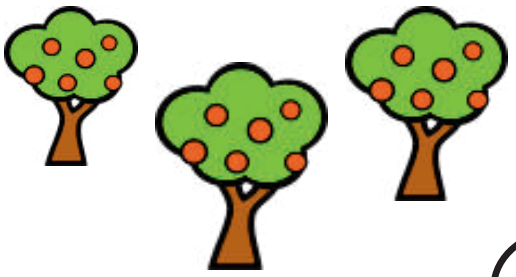

EUREKA
MATH

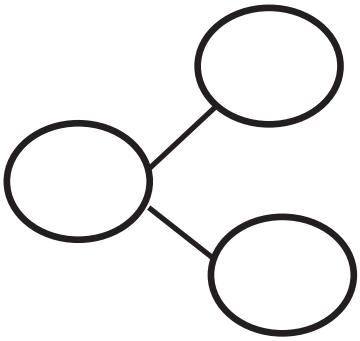
Name _____ Date _____

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

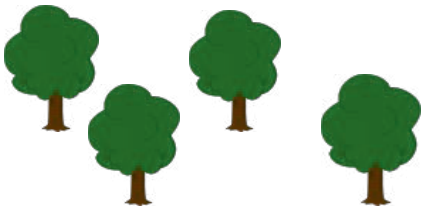
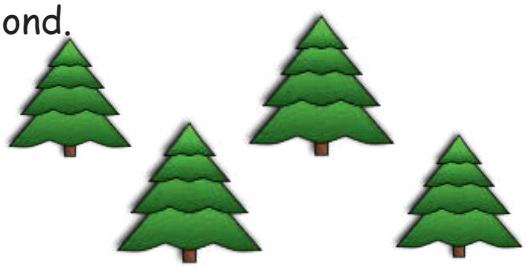


☐ = ☐ + ☐

☐ + ☐ = ☐

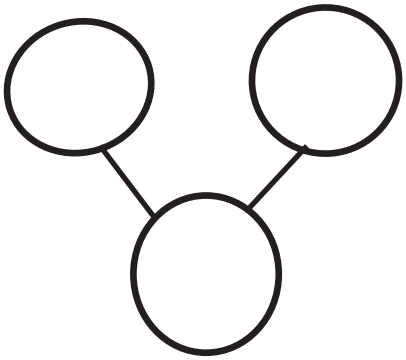


There are 8 trees. 4 are oak trees, and 4 are spruce trees. Fill in the number sentences and the number bond.

☐ = ☐ + ☐

☐ + ☐ = ☐



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Name _____ Date _____

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

3 + 4 = ☐

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

1 + 5 =

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.

7 + 1 =

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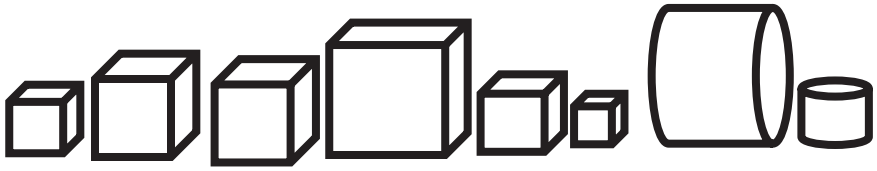
Name _____ Date _____

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

☐ = ☐ + ☐

☐ + ☐ = ☐



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

☐ = ☐ + ☐

☐ + ☐ = ☐

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

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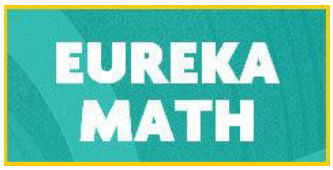
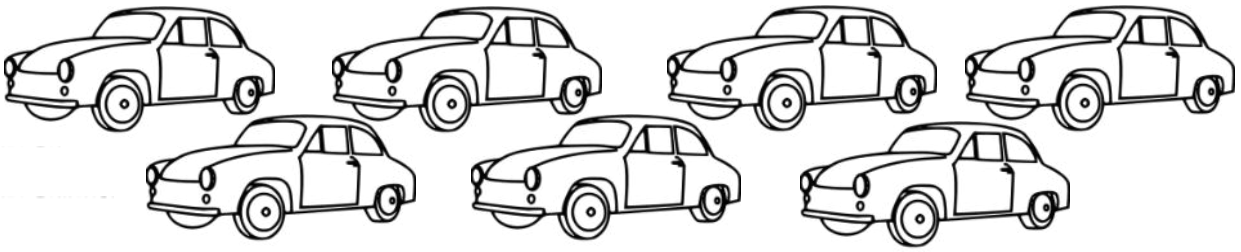

EUREKA
MATH

Name _____ Date _____

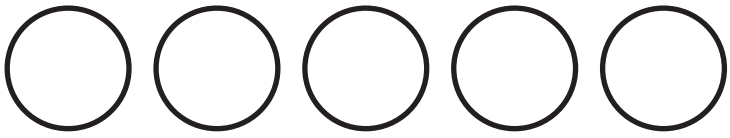
Ted has 7 toy cars. Color some cars red, and the rest blue. Write a number sentence that shows how many are red and how many are blue.



7 = ☐ + ☐

☐ + ☐ = ☐

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



☐ + ☐ = ☐

☐ = ☐ + ☐

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Name _____ Date _____

1 train drove away. Cross out 1. Write how many were left.

2 horses were bought. Cross out 2. How many were left at the store?

4 ducks swam away. Cross out 4. Write how many are left.

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

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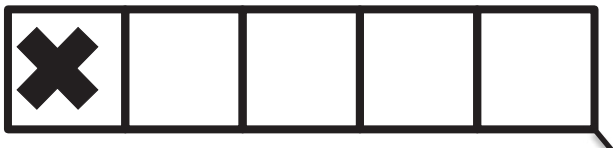
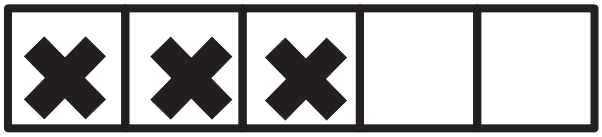
Name _____ Date _____

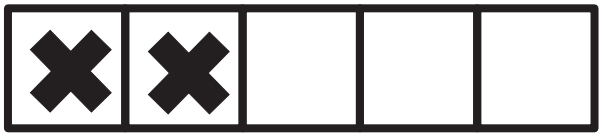
The squares below represent cube sticks. Match the cube stick to the number sentence.



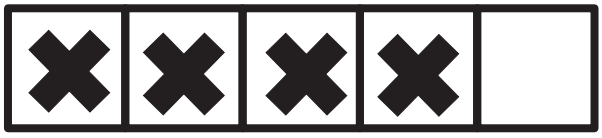
5 - 3 = 2



5 - 1 = 4



5 - 4 = 1



5 - 2 = 3

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

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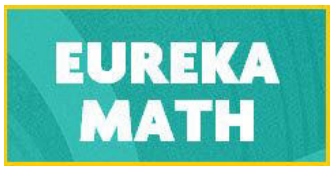
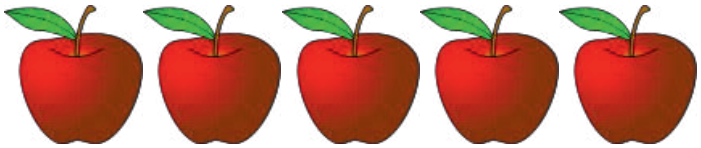

EUREKA
MATH

Name _____ Date _____

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



5 take away 1 is ☐

5 - 1 = ☐

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 ☐

☐ - ☐ = ☐

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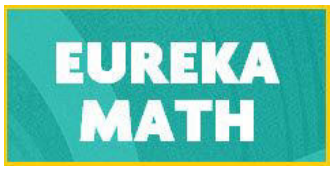
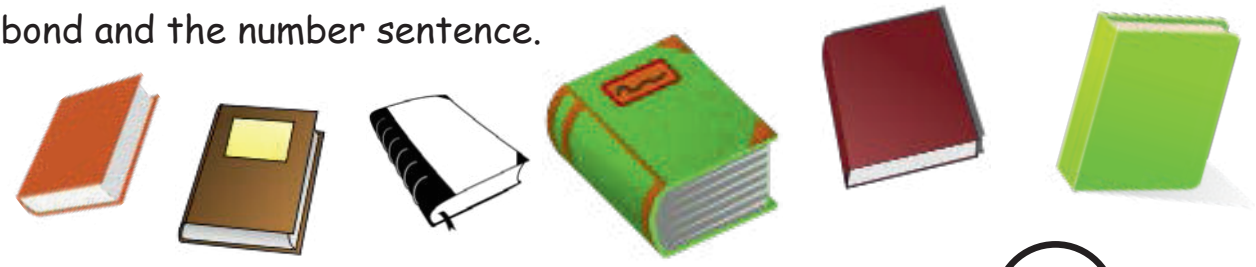
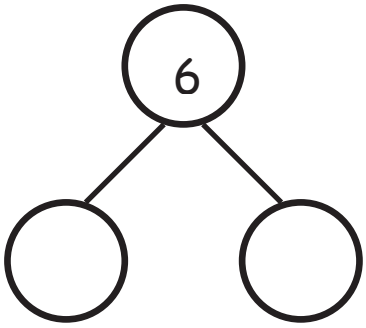

EUREKA
MATH

Name _____ Date _____

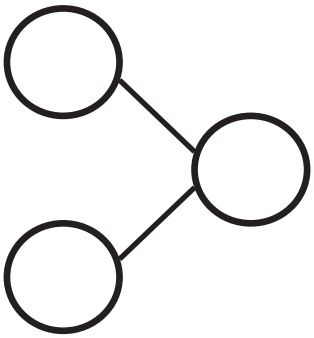
Here are 6 books. Cross out 2. How many are left? Fill in the number bond and the number sentence.



6 - ☐ = ☐

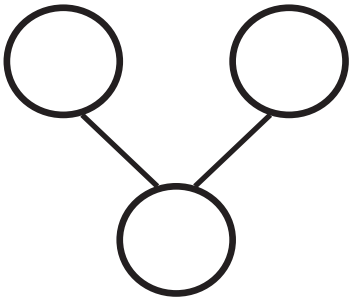


Draw 6 stars. Cross out 4. Fill in the number sentence and the number bond.



☐ - ☐ = ☐

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.

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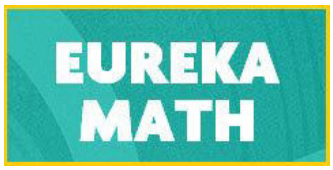
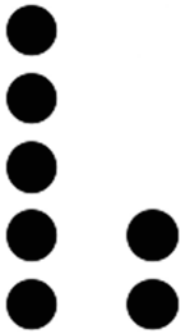

EUREKA
MATH

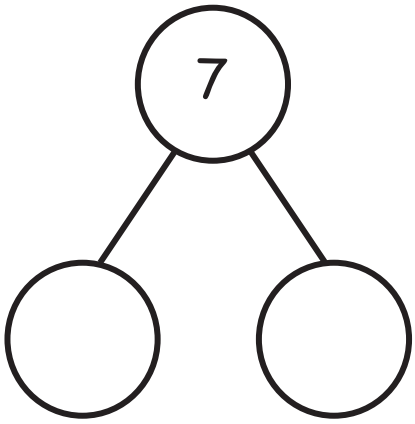
Name _____ Date _____

Fill in the number sentence and number bond.

Cross out 5 dots.

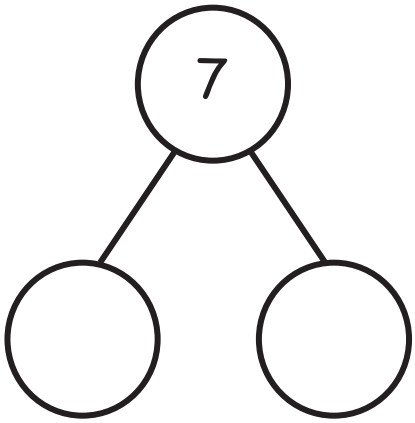


7 - ☐ = ☐



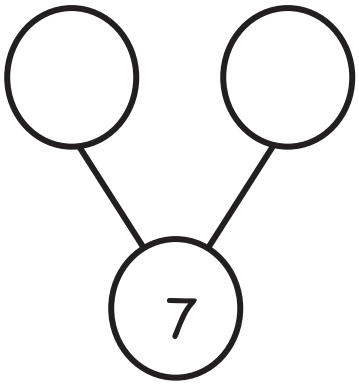
Draw 7 dots. Cross out 3 dots.

7 - ☐ = ☐



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

7 - ☐ = ☐



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

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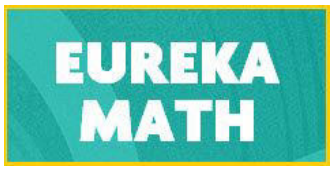
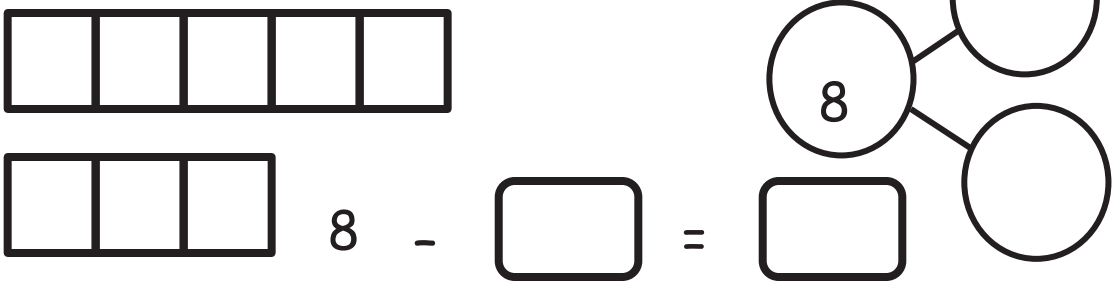

EUREKA
MATH

Name _____ Date _____

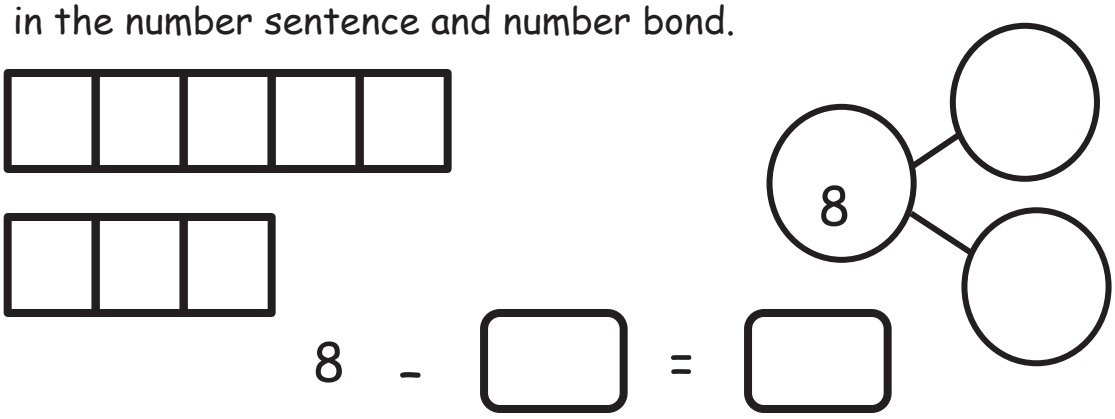
Here is 8 the 5-group way. Put an X on 2 cubes. How many are left?

Fill in the number sentence and number bond.

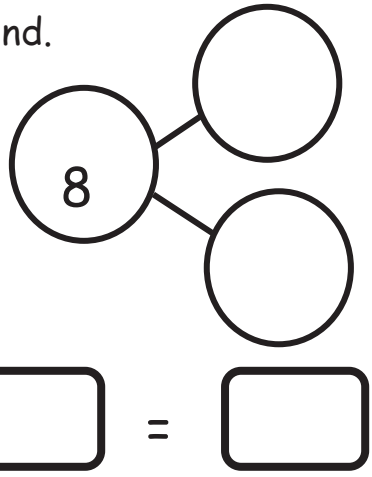


Here is 8 the 5-group way. Put an X on 4 cubes. How many are left?

Fill in the number sentence and number bond.



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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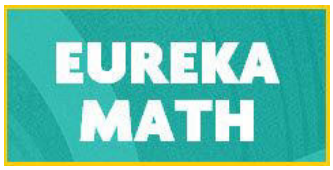
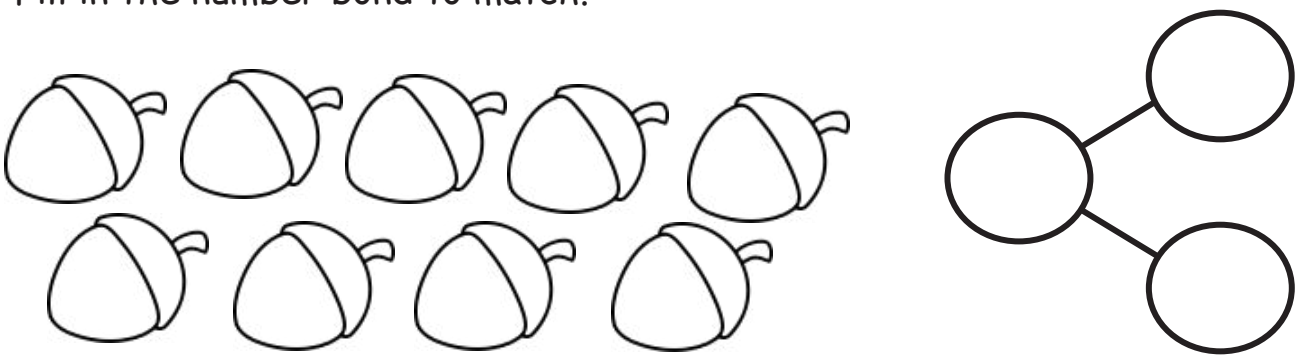

EUREKA
MATH

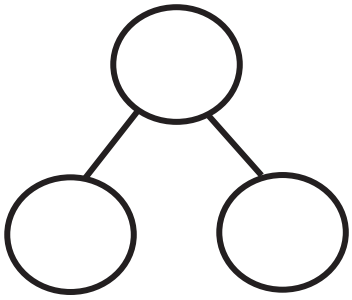
Name _____ Date _____

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.

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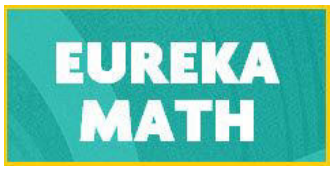
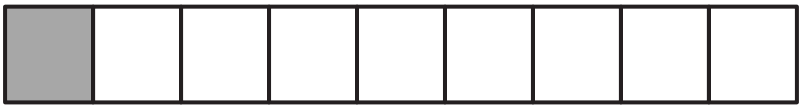
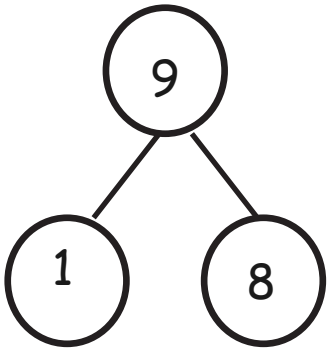

EUREKA
MATH

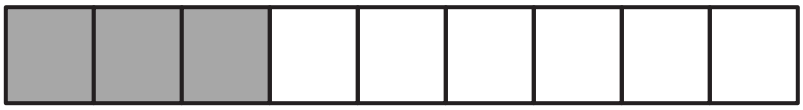
Name _____ Date _____

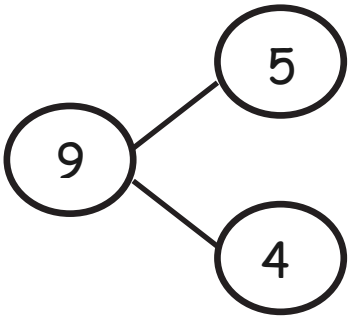
The squares below represent cube sticks.
Do the linking cube sticks match the number bond? Circle yes or no.



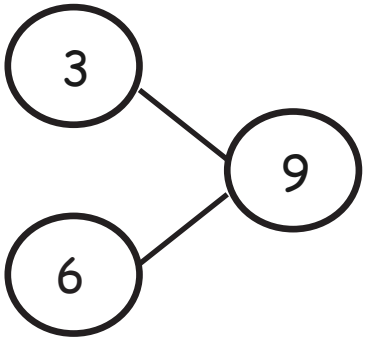


Yes No





Yes No



Yes No

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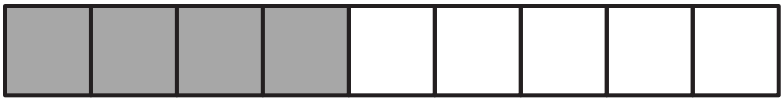
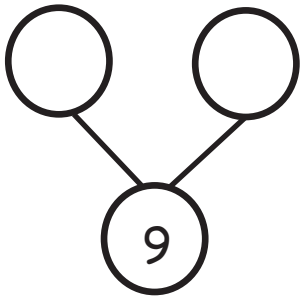
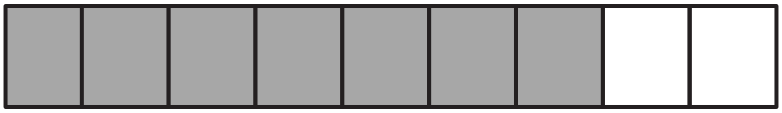
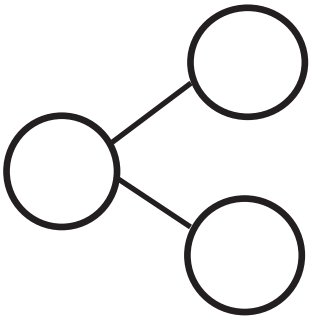
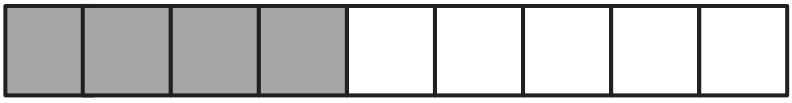
Make the number bond match the cube stick.

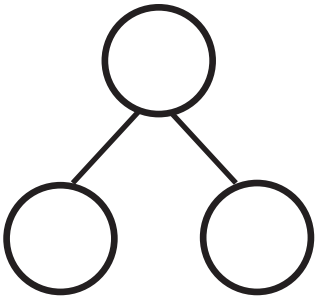


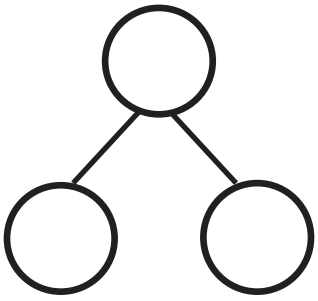












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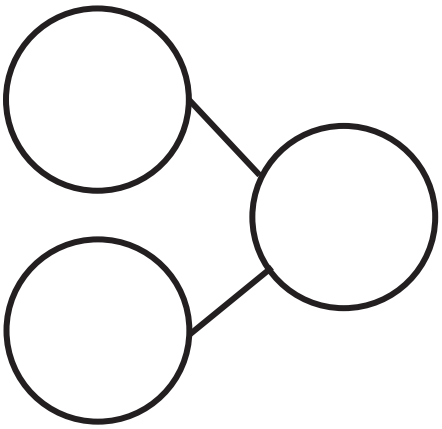
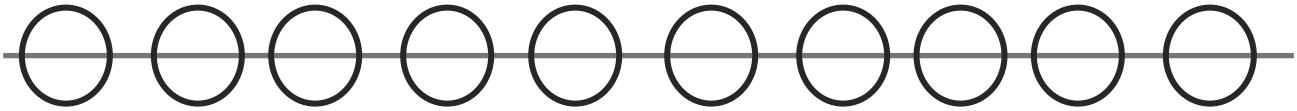
Name _____ Date _____

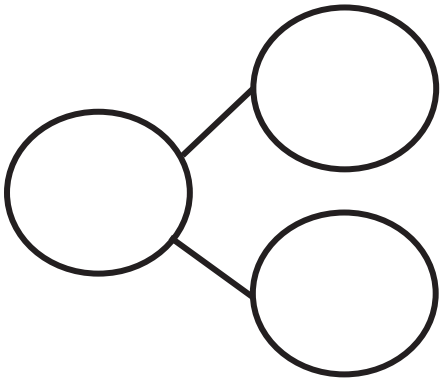
Pretend this is your bracelet.

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.





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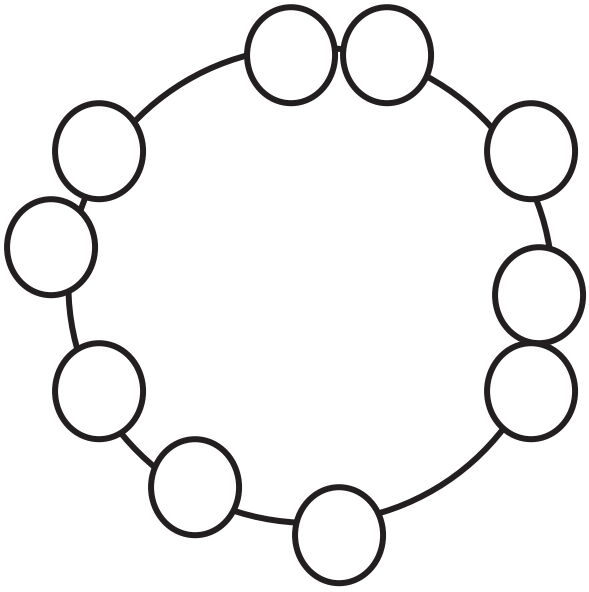
Color some beads yellow and the rest black. Make a number bond to match.

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



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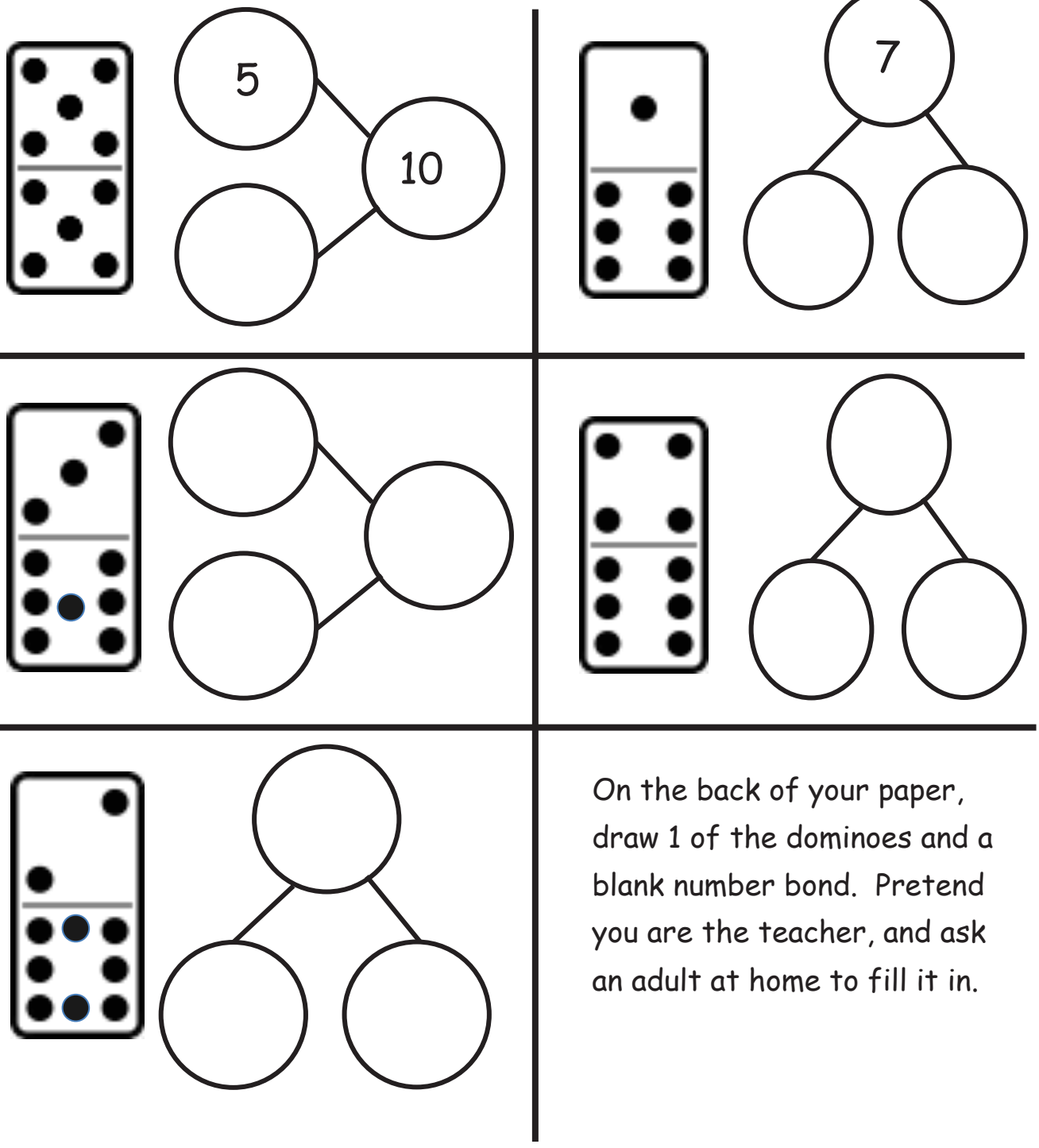
Name _____ Date _____

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.

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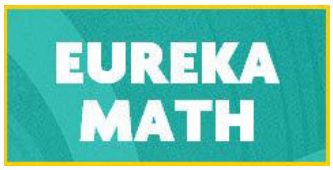
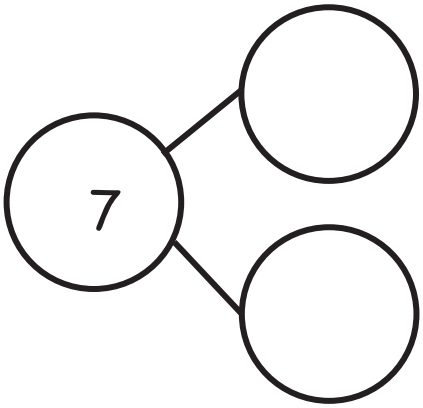

EUREKA
MATH

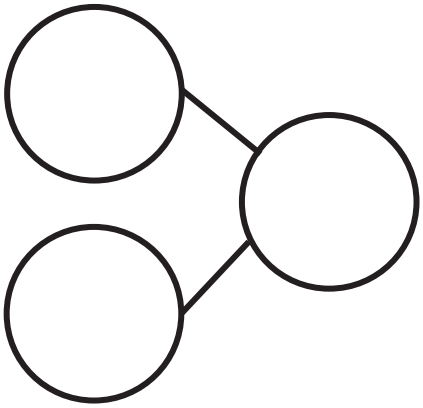
Name _____ Date _____

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.



7 = ☐ + ☐

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



☐ + ☐ = ☐

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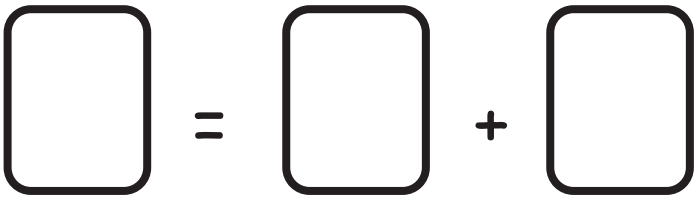
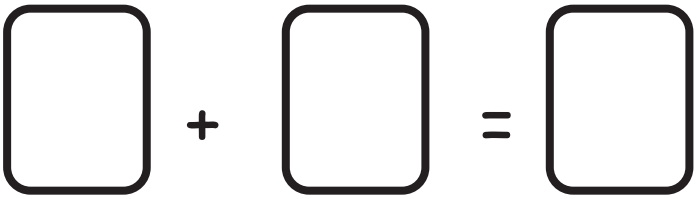
Jack found 8 hockey pucks and 1 hockey stick. He found 9 hockey things. Draw the hockey pucks and stick in the 5-group way. Fill in the number sentence.



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.



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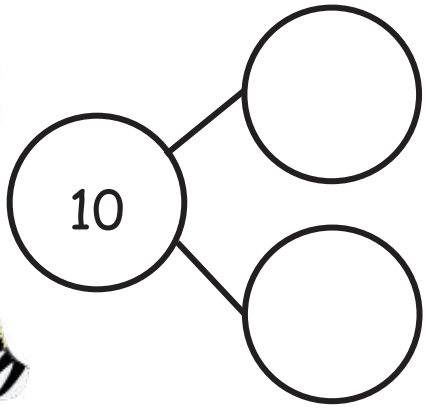
Name _____ Date _____

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

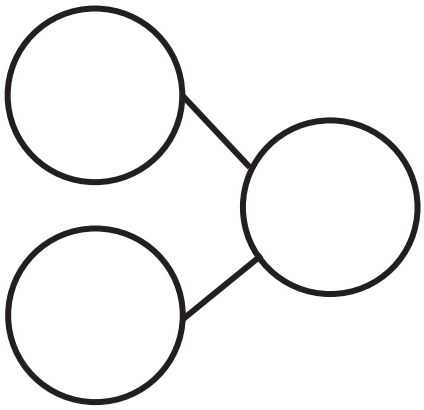
Scott went to the zoo. He saw 6 giraffes and 4 zebras. He saw 10 animals altogether.



10 = ☐ + ☐

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

☐ + ☐ = ☐



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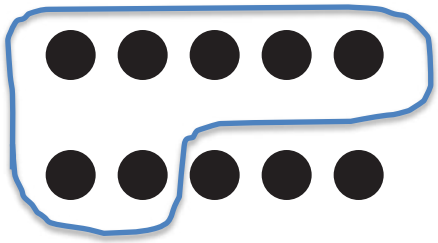
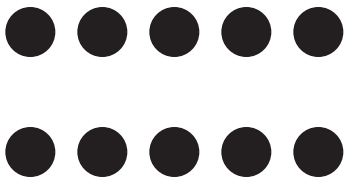
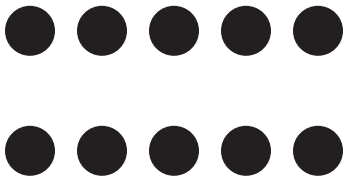
Make 2 groups. Circle 1 of the groups. Write a number sentence to match. Find as many partners of 10 as you can.



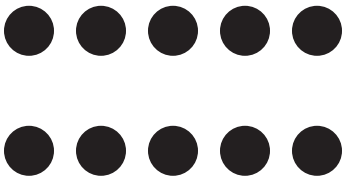
10 = 7 + ☐



10 = ☐ + ☐



10 = ☐ + ☐



10 = ☐ + ☐

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

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Name _____ Date _____

Draw the story. Fill in the number sentence.

Jake has 7 chocolate cookies and 2 sugar cookies. How many cookies does he have altogether?

____ + ____ = ____

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

____ + ____ = ____

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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.

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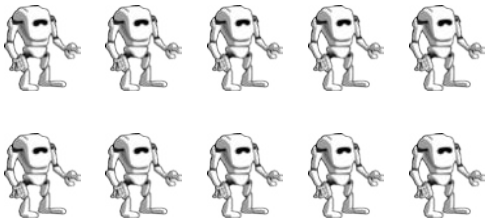
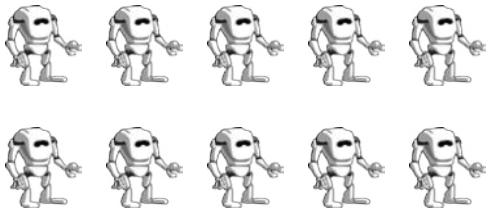
Name _____ Date _____

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

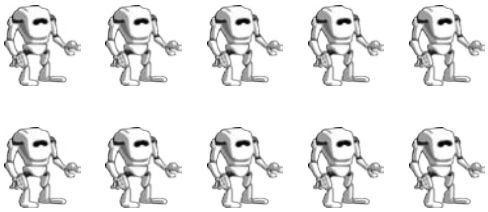
10 = 5 + 5



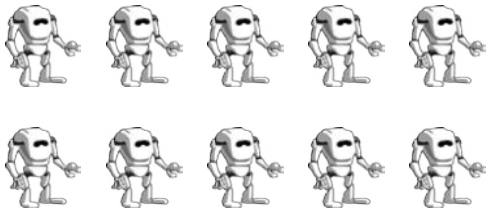
10 = 6 + 4



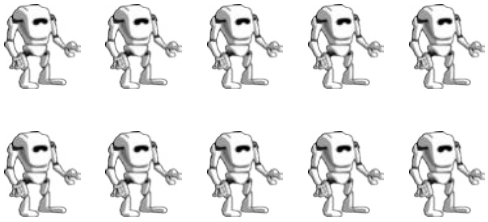
10 = 7 + 3



10 = 8 + 2



10 = 9 + 1



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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.

$9 = \square + \square$

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.

$10 = \square + \square$

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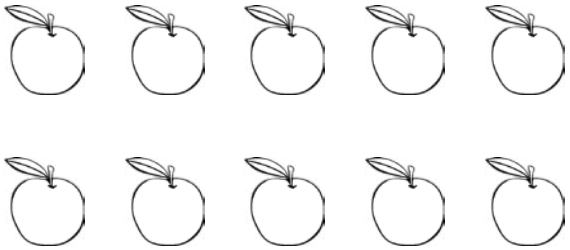
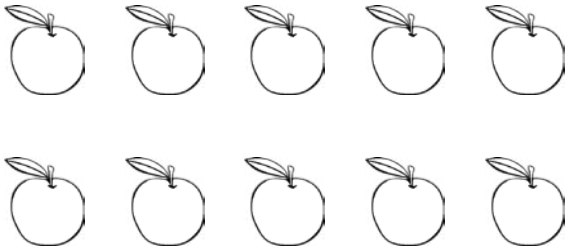
There are 10 apples. Color some red and the rest green. Then, show a different way the apples could look. Fill in the number sentences to match.

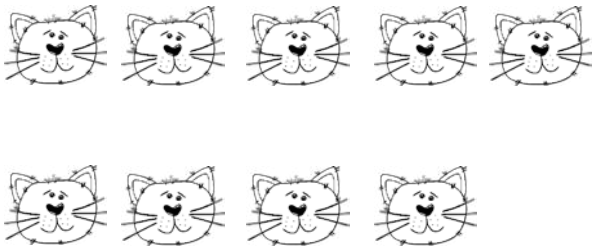


10 = ☐ + ☐

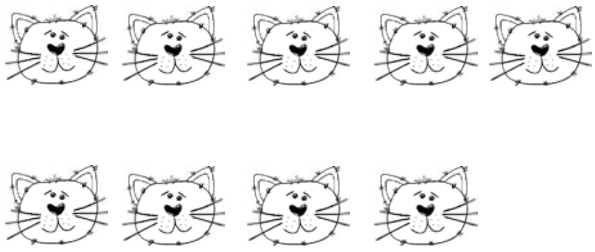


10 = ☐ + ☐

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.



9 = ☐ + ☐



9 = ☐ + ☐

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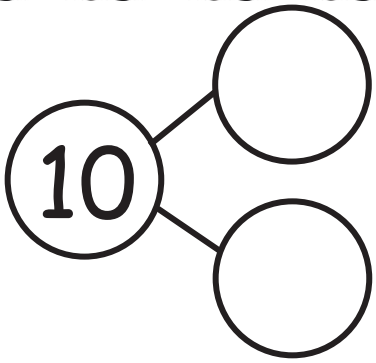
Name _____ Date _____

Fill in the number sentence and the number bond.

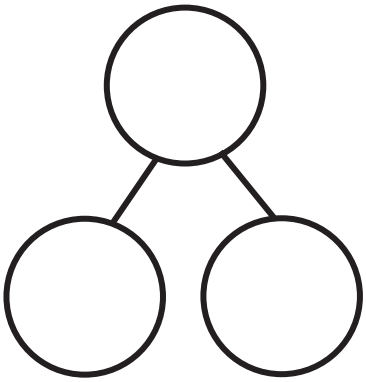
There were 10 teddy bears. Cross out 2 bears. There are 8 bears left.

10 - ___ = ___



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.

___ - ___ = ___

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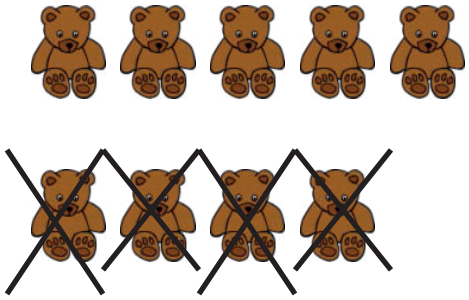
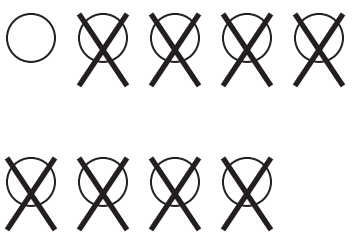
Draw a line from the picture to the number sentence it matches.

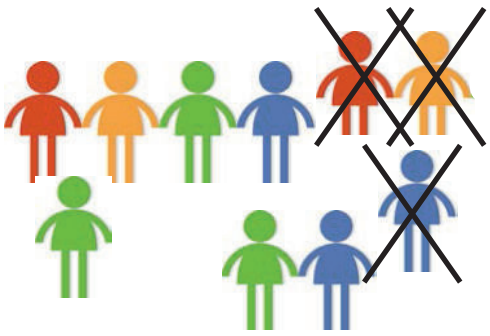
- 10 – 1 = 9



- 10 – 3 = 7



- 9 – 4 = 5



- 9 – 8 = 1

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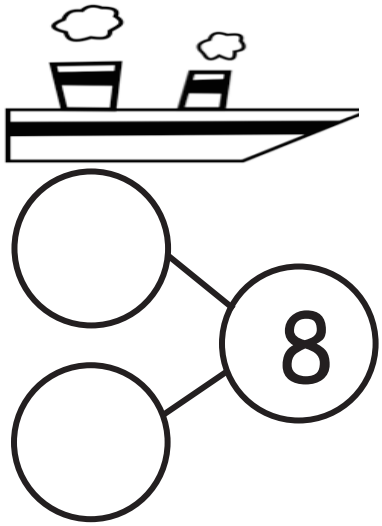
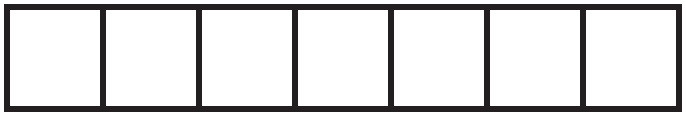
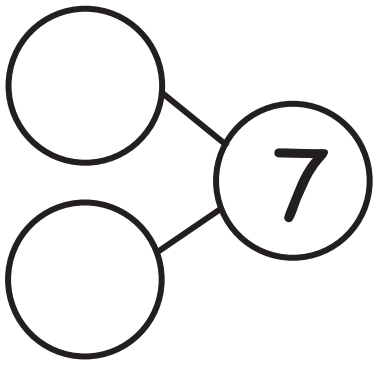
There were 8 penguins. 2 penguins went back to the ship. Cross out 2 penguins. Fill in the number sentence and the number bond.



8 – 2 = ___

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.





___ – ___ = ___

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

10 – ___ = ___

Complete these number sentences.

5 – 1 = ☐

☐ = 2 + 3

☐ = 5 – 4

2 + 2 = ☐

Complete these number sentences.

3 – 1 = ☐

☐ = 1 + 3

☐ = 4 – 2

1 + 2 = ☐

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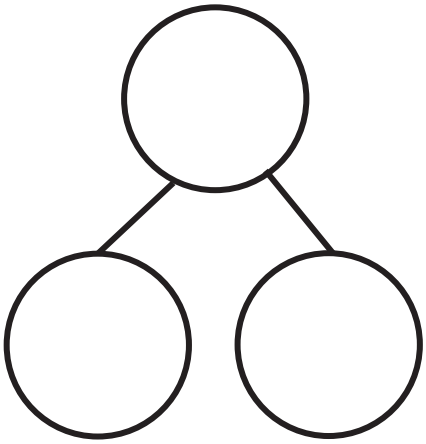
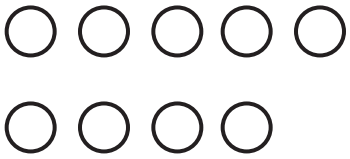
Cross off the part that goes away. Fill in the number bond and number sentence.

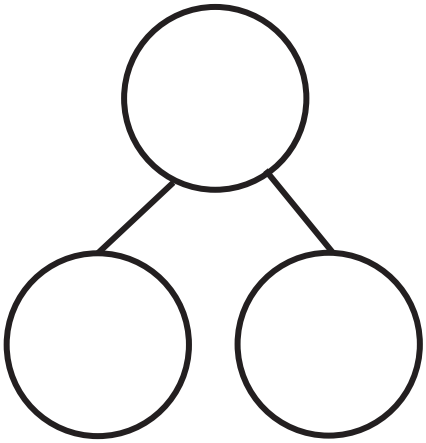
Mary had 9 library books. She returned 1 book to the library. How many books are left?

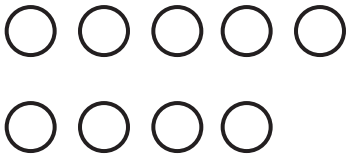




___ - ___ = ___

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





___ - ___ = ___

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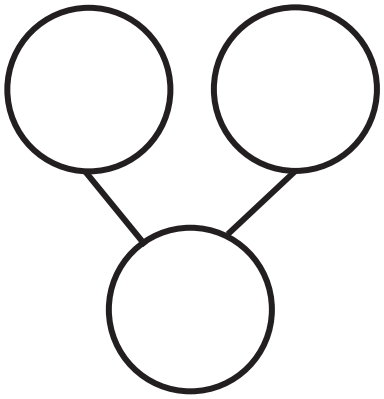
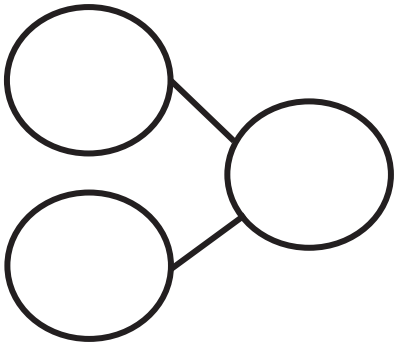
Make a 5-group drawing to show the story. Cross off the part that goes away. Fill in the number bond and number sentence.

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.

5 – 2 = ☐ 4 – 2 = ☐ 3 – 2 = ☐ 2 – 1 = ☐

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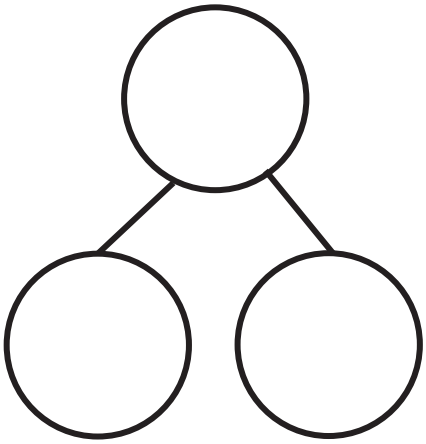
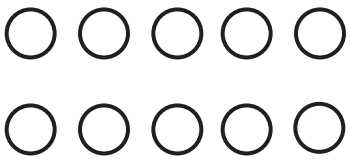
Name _____ Date _____

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

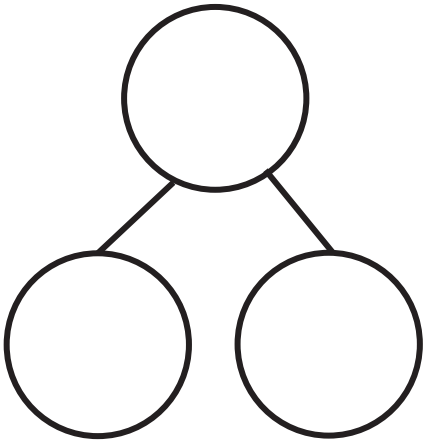
MacKenzie had 10 buttons on her jacket. 2 buttons broke off her jacket. How many buttons are left on her jacket?

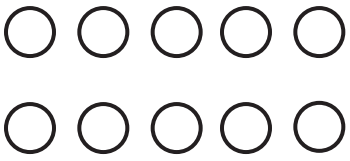




___ - ___ = ___

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





___ - ___ = ___

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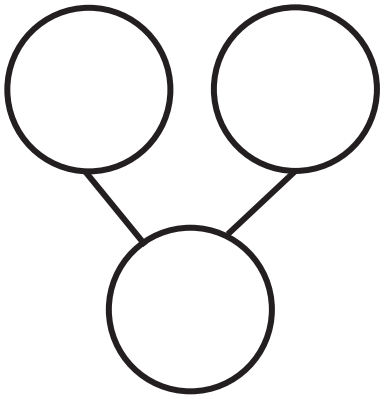
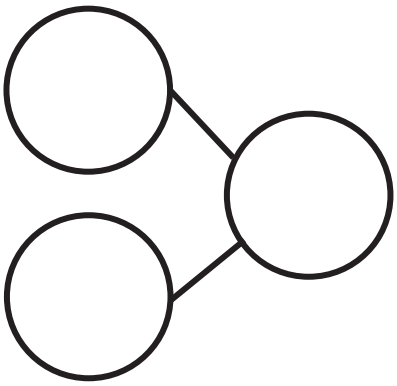
Make a 5-group drawing to show the story. Fill in the number bond and number sentence. Cross off the part that goes away.

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.

5 – 3 = ☐ 5 – 2 = ☐ 5 – 4 = ☐ 5 – 1 = ☐

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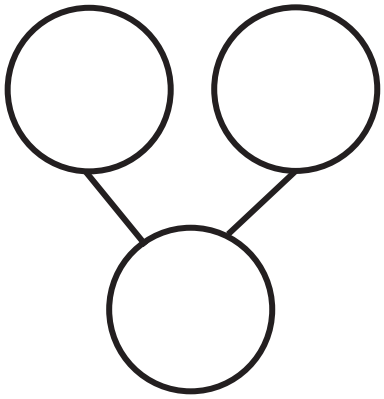
Listen to each story. Show the story with your fingers on the number path. Then, fill in the number sentence and number bond.

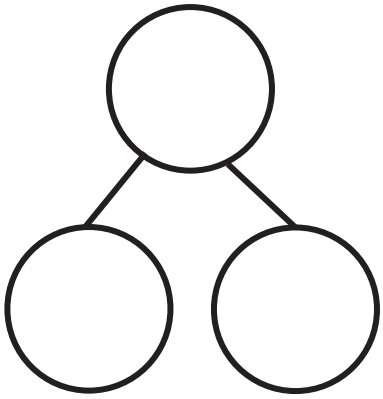
1	2	3	4	5	6	7	8	9	10

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?



_____ – _____ = _____

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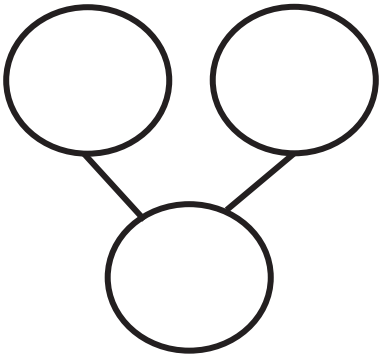
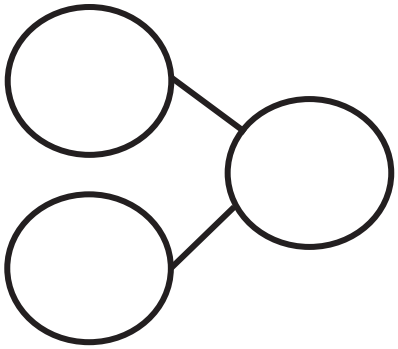
1	2	3	4	5	6	7	8	9	10

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.

1 + 0 = ☐ 2 + 0 = ☐ 3 + 0 = ☐ 4 + 0 = ☐

5 – 0 = ☐ 4 – 0 = ☐ 3 – 0 = ☐ 2 – 0 = ☐

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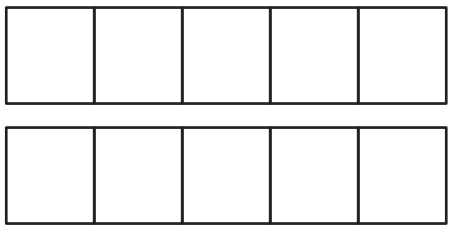
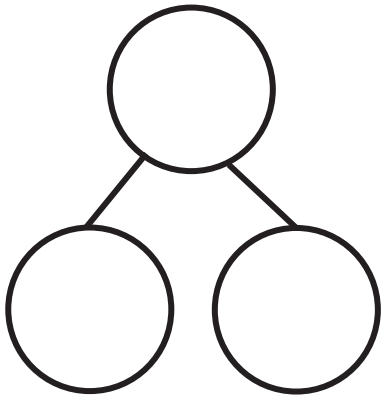
Follow the instructions to color the 5-group. Then, fill in the number sentence or number bond to match.

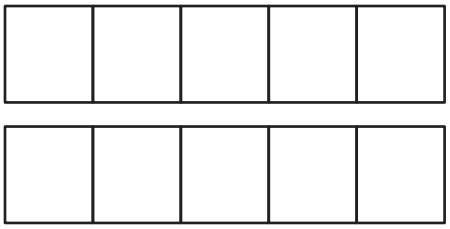
Color 9 squares green and 1 square blue.



_____ + _____ = _____



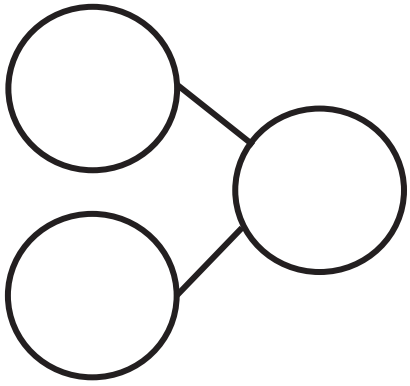
Color 8 squares green and 1 square blue.



_____ + _____ = _____

Color 7 squares green and 1 square blue.

_____ + _____ = _____



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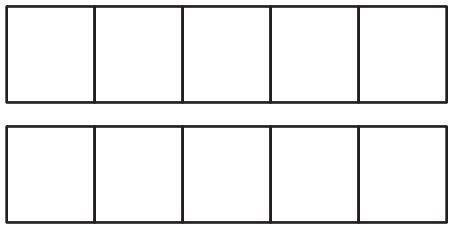
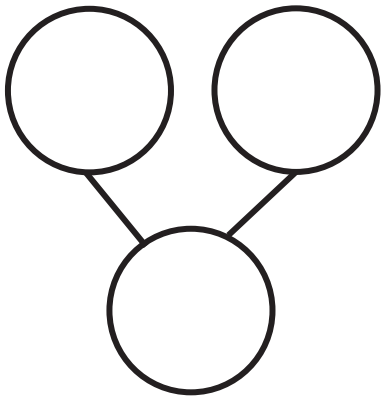
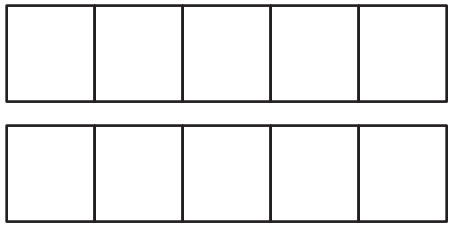
Color 2 squares green and 1 square blue.





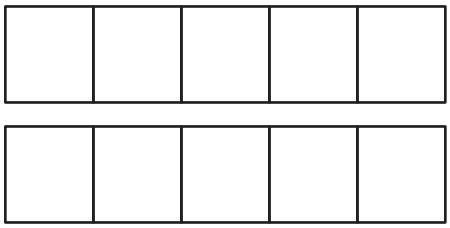
____ + ____ = ____

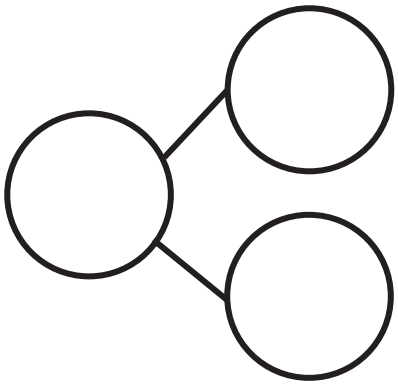
Color 1 square green and 1 square blue.



____ + ____ = ____

Color 0 squares green and 1 square blue.





____ + ____ = ____

Subtract.

4 – 1 = ☐ 3 – 1 = ☐ 2 – 1 = ☐ 1 – 1 = ☐

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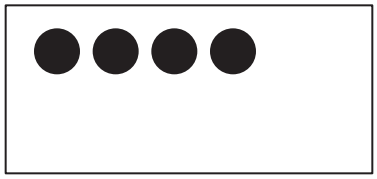
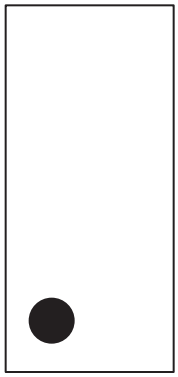
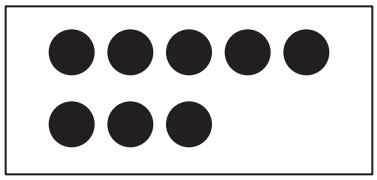
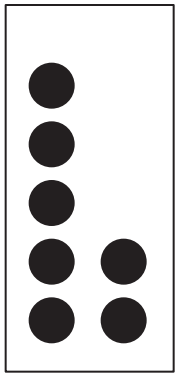
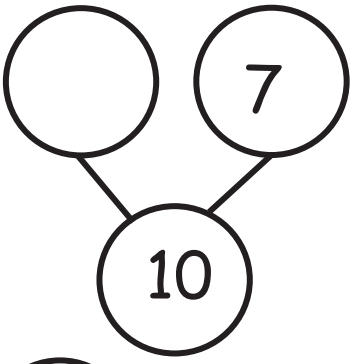
Draw dots to make 10. Finish the number bonds. Draw a line from the 5-group to the matching number bond.

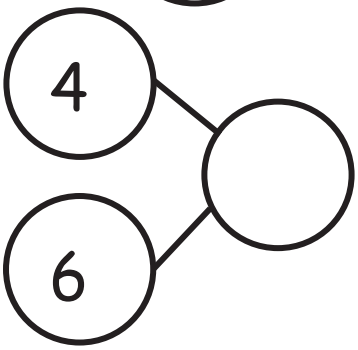


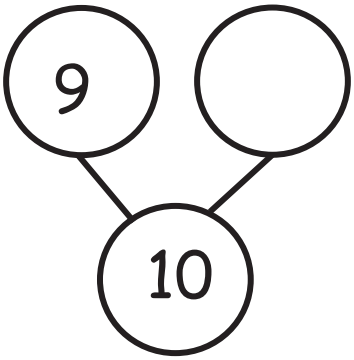


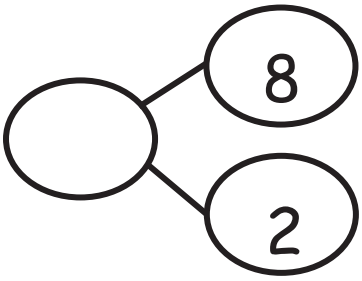












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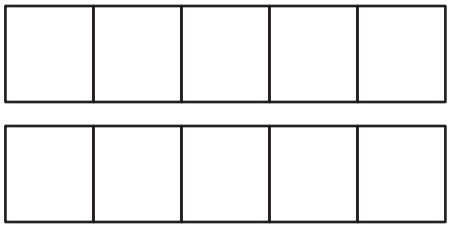
Name _____ Date _____

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

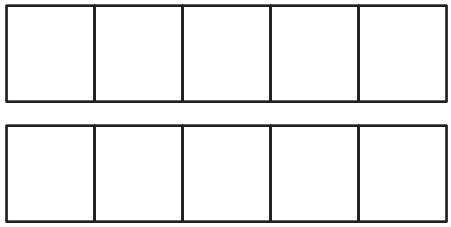
□ + □ = □

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.



□ + □ = □

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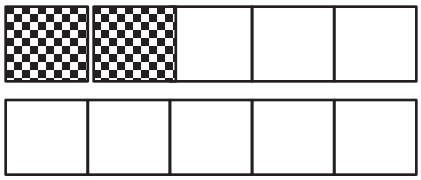
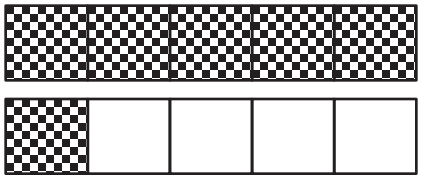
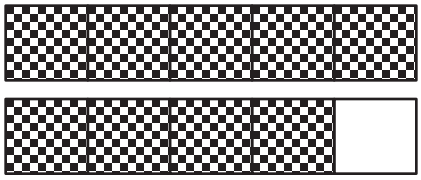
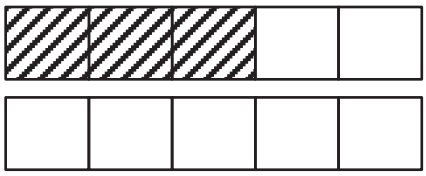
Match.

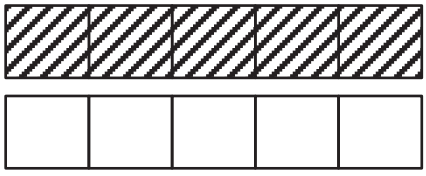


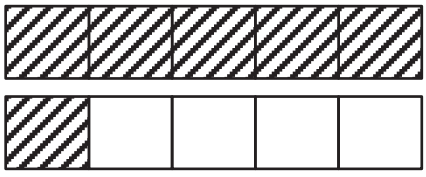




- 1 + 9 = 10
- 8 + 2 = 10
- 6 + 4 = 10







- 4 + 6 = 10
- 5 + 5 = 10
- 3 + 7 = 10

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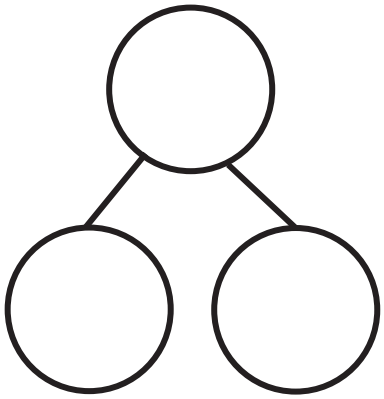
Name _____ Date _____

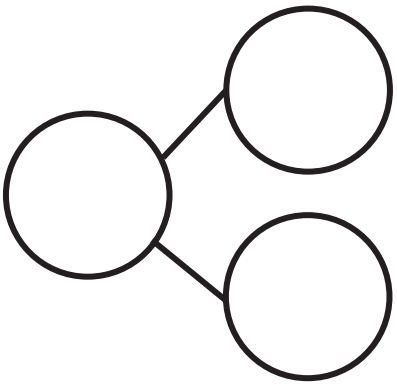
Complete a number bond and number sentence for each problem.

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?



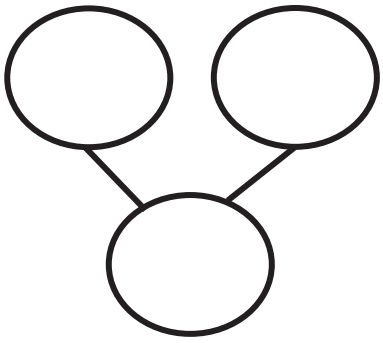
_____ – _____ = _____

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.



_____ + _____ = _____

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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.

1 + 1 = _____	1 + 2 = _____
2 + 1 = _____	_____ = 2 + 2
3 + 1 = _____	1 + 4 = _____
4 + 1 = _____	_____ = 3 + 2
5 + 1 = _____	2 + 3 = _____

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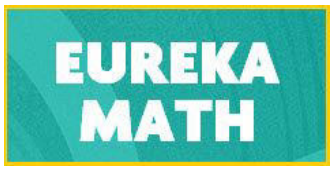
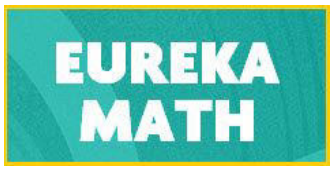

EUREKA
MATH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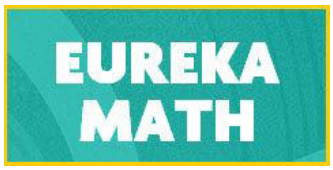
MATH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