## GRADE K - MODULE 4: PARENT GUIDE

## Number Pairs, Addition and Subtraction to 10

- Each day in class, we do practice sets. Attached are the answer keys to the Practice Sets from this module. These answer keys can be used to refresh your child's memory of work we did together in class and help you support your child with the math homework. There is a footer at the end of each answer key that tells you the lesson number. This lesson number corresponds with the lesson number on the homework sheets.

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Name
 Date


Draw the light butterflies in the number bond. Then draw the dark butterflies. Show what happens when you put the butterflies together.


Name


How many


How many


Draw to show how to take apart the group of cats to show 2 groups, the ones sleeping and the ones awake.


Name


Date


Color the cubes to match the rabbits. 4 cubes gray. 1 cube black. Draw the cubes in the number bond.



Write numbers to complete the number bond. Put the dogs in one part and the balls in the other part.


Look at the picture. Tell a story about the birds going home to your neighbor. Draw a number bond and write numbers that match your story.



Look at the picture. Tell a story about the dogs moving and sitting to your neighbor. Draw a number bond and write numbers that match your story.



## Name




Fill in the number bond. Tell a story about the birds to your friend.


Tell a story that matches the number bond. Draw pictures that match your story.


Date: 8/29/13

Draw a line to match the number bond with the cube stick.


Name
 Date $2 \cdots+14$


Look at the birds. Make 2 different number bonds. Tell a friend about the numbers you put in one of the bonds.


Color some squares green and the rest yellow. Write numbers in the bonds to match the colors of your squares.


COMMON CORE

Lesson 7:
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Name $\qquad$ Date $\qquad$
Tell a story about the shapes. Complete the number

triangles

squares make


Color the cubes to match the number bond.


In each stick color some cubes orange and the rest purple. Fill out the number bond to match.


Tell a story about one of your number bonds to a friend.

On the back of your paper draw a 7 stick and use 2 colors to make 7. Make a number bond and fill it in.
$\qquad$


Fill in the number bond to match the picture.


Draw some more dots to make 8 dots in all and finish the number bond.


Draw 8 dots, some blue the rest red. Fill in the number bond.


COMMON
CORE

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


Lesson 10 Problem Set Ko4 Date $\geq=3$

Fill in the number bond to match.


| COMMMON | Lesson 10: | Model decompositions of $6-8$ using linking cube sticks to see <br> patterns. |
| :--- | :--- | :--- |
| CORE | Date: | $8 / 29 / 13$ |

Color some of the faces orange and the rest blue. Fill in the number bond.

and


Color some of the faces orange and the rest blue. Fill in the number bond.


Color some of the faces orange and the rest blue. Fill in the number bond.

$e^{e n g a g e}{ }^{n y}$
4.B. 6

Name
 Date 2 ()

Draw a line to break the stick into 2 parts. Complete the number bond and number sentence.


Name $\qquad$ Date $+1+13$

5 boxes are colored. Color 3 more boxes to make 8. Complete the number bond.


5 boxes are colored. Color more boxes to make 7. Complete the number bond.


Color 6 cubes. Complete the number bond.


Draw more-to make 6. Complete the number bond.


Draw more to make 7. Complete the number bond.


Draw more to make 8. Complete the number bond.

$+$


On the back of your paper, draw 5 red cubes and more green cubes to make 8. Draw a number bond to show what you did.

Lesson 12:
This work is licensed under a

Name


Fill in the number bond and number sentences.


There are 6 cars on the road. 2 cars are big and 4 are small.


3 geckos have black spots and 3 geckos have no spots. There are 6 geckos.


There are 6 monkeys. 4 monkeys are swinging on the tree and 2 monkeys are taking a nap. Draw a picture to go with the story.


Create your own story and tell your partner. Have your partner draw a picture of your story and create a number sentence to go with the picture.

 Date

There are 7 animals. There are 5 giraffes and 2 elephants.


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=\quad 5
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+
$$

$$
2
$$



At the store there were 1 big bear and 6 small bears. There were 7 bears.


4 gray cubes and 3 white cubes are 7 cubes.


Color the cubes to match the cubes above. Fill in the number sentence.



Fill in the number sentences.

There are 8 fish. There are 4 striped fish and 4 goldfish.


There are 8 shapes. There are 5 triangles and 3 diamonds.


There are 8 shapes. Count and circle the squares. Count and circle the triangle.


There are 8 flowers. Some flowers are yellow and some flowers are red. Draw a picture to go with the story.


Create your own story and tell your partner. Have your partner draw a picture of your story and create a number sentence to $g o$ with the picture.


Name


Date


There are 4 snakes sitting on the rocks. 2 more snakes slither over. How many snakes are on the rocks now? Put a box around all the snakes, trace the mystery box, and write the answer inside it.


11


There are 5 turtles swimming. Draw 2 more turtles that came to swim. How many turtles are swimming now? Draw a box around all the turtles, draw a mystery box, and write the answer.


Today is your birthday! You have 7 presents. A friend brings another present. Draw the present. How many presents are there now? Draw a mystery box and write the answer inside it.


Listen and draw. There were 6 girls playing soccer. A boy came to play. How many children were playing soccer now? Draw a box around all the children.


Listen and draw. There were 3 frogs on a log. 5 more frogs hopped onto the log. How many frogs were on the log now? Draw a box around the frogs and box the answer.


Name $\qquad$ Date $2-18$ 2

There are 4 green balloons and 3 orange balloons in the air. How many balloons are in the air? Color the balloons to match the story and fill in the number sentences.


Dominic has 6 yellow star stickers and 2 blue star stickers. How many stickers does Dominic have? Color the stars to match the story and fill in the number sentences.



There are 5 big robots and 1 little robot. How many robots are there? Fill in the number sentences.


COMMON
CORE
$\qquad$
Solve put together with total unknown word problems to 8 using objects and drawings.
engage ${ }^{\text {ny }}$

Listen and draw. Charlotte is playing with pattern blocks. She has 3 squares and 3 triangles. How many shapes does Charlotte have?


Listen and draw. Gavin is making a tower with linking cubes. He has 5 purple and 3 orange cubes. How many linking cubes does Gavin have?


Name


Devin has 6 Spiderman pencils. He put some in his desk and the rest in his pencil box. Write a number sentence to show how many pencils Devin might have in his desk and pencil box.


Shania made 7 necklaces. She wore some of the necklaces and put the rest in her jewelry box. Use the linking cubes to help you think about how many necklaces Shania might have on and how many are in her jewelry box. Then, complete the number sentences.


COMMON Lesson 18: CORE

Date:

Solve both addends unknown word problems to 8 to find addition patterns in number pairs.
8/29/13
engage ${ }^{\text {ny }}$

Tommy planted 8 flowers. He planted some in his garden and some in flowerpots. Draw how Tommy may have planted the flowers. Fill in the number sentences to match your picture.


Create your own story and draw a picture. Fill in the number sentences. Tell your story to a friend.


Name

 Date $2-22-13$

The cat ate 3 mice. Cross out 3 mice. Write how many mice are left.


The fish ate 2 worms. Cross out 2 worms. Write how many worms are left.


The frog ate 5 flies. Cross out 5 flies and write how many flies are left.


The monkey ate 4 bananas. Cross out 4 bananas and write how many bananas are left.


Draw 6 balls. The boy kicks 3 balls down the hill. How many balls does he have left?


There are 5 butterflies flying around the flower. Draw them. 1 of the butterflies flew away, cross it out. How many butterflies are left?


COMMON

Name


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

$5-4=1$

$4-2=2$

$$
5-1=4
$$

Pick 1 mouse picture and tell a story to your partner. See if your partner can pick the picture you told the story about.

Cross out the bears to match the number sentences.



Tyler bought a cone with 4 scoops. He ate 1 scoop. Cross out 1 scoop. How many scoops were left?


Eva ate ice cream too. She ate 2 scoops.
How many scoops were left?


There were 4 bottles. 3 of them broke. How many were left?


$$
4-3=
$$



Represent subtraction story problems using objects, drawings, expressions, and equations with no unknown. 8/29/13

Anthony had 5 erasers in his pencil box. He dropped his pencil box and 4 erasers fell on the floor. How many erasers are in Anthony's pencil box now? Draw the erasers and fill in the number sentence.


Tanisha had 5 grapes. She gave 3 grapes to a friend. How many grapes does Tanisha have now? Draw the grapes and fill in the number sentence.


COMMON CORE

Represent subtraction story problems using objects, drawings, expressions, and equations with no unknown. 8/29/13


Date $\qquad$ 25 $-1+3$

Fill in the number sentences and number bonds.


Fill in the number bond.


## Cross out 5 snowflakes.



## Cross out 2 snowflakes.



COMMON
CORE

Name
 Date $\qquad$
Say the number sentence. Fill in the blanks. Cross out the number. Cross out 2 dots.


Cross out 4 dots.


Draw and fill in the number bond and number sentence.
Draw 7 dots. Cross out 2 dots.


Draw 7 dots in a 5 -group. Cross out 3 dots.


Draw 7 dots in a 5-group. Cross out 4 dots.


- | COMMON |
| :--- | :--- | :--- | \(\begin{array}{ll}Lesson 23: \& \begin{array}{l}Decompose the number 7 by hiding a part and record each <br>

decomposition with a drawing and subtraction equation. <br>
CORE\end{array}\end{array} $$
\begin{aligned} & \text { Date: } \\
& 8 / 29 / 13\end{aligned}
$$\)



Draw 8 dots in a 5-group. Put an $X$ on 7 dots.


Draw 8 dots in a 5-group. Put an $X$ on some dots.


COMMON ${ }^{\text {COsson 24: }}$ CORE

Name
 Date $3-1-13$

There are 9 shirts. Color some with polka dots and the rest with stripes.
Fill in the number bond.


There are 9 flowers. Color some yellow and the rest red. Fill in the number bond.


There are 9 hats. Color some brown and the rest green. Fill in the number bond.


There are 9 jellyfish. Color some blue and the rest a different color.
Fill in the number bond.


There are 9 butterflies. Color some butterflies orange and the rest a different color. Fill in the number bond.


Draw 9 balloons. Color some red and the rest blue. Make a number bond to match your drawing.


Model decompositions of 9 using a story situation, objects, and number bonds. 10/2/13


Name Date $38-14$

Draw a line from the cube stick to the matching number bond. Fill in the number bond if it isn't complete.


Draw and color cube sticks to match the number bonds. Fill in the number bond if it isn't complete.


Create your own 9-cube stick and fill in the number bond to match.


COMMON
CORE
Name Emille Date $3-11-17$

Benjamin had 10 bananas. He dropped some of the bananas. Fill in the


Savannah had 10 pairs of glasses. 5 are green and the rest are


Xavier had 10 baseballs. Some were white and the rest were gray. Draw the balls and color to show how many may be white and gray. Fill in the number bond.


There were 10 dragons playing. Some were flying and some were running.
Draw the dragons. Fill in the number bond.


Create your own story of 10. Draw your story and a number bond to go with it.


Name


Date $3-12-13$
Look at the linking cube sticks. Draw a line from the cube sticks to the number bond that matches. Fill in the number bond if it isn't complete.


Draw and color cube sticks to match the number bonds.


Create your own 10-cube stick and fill in the number bond.



Model decompositions of 10 using fingers, sets, linking cubes, and

Name


Date $3-18-13$
Izzy had a tea party with 7 teddy bears and 2 dolls. There were 9 friends at the party. Fill in the number bond and number senterice.


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9=\square+2
$$

Robin had 9 vegetables on her plate. She had 3 carrots and 6 peas. How many vegetables did she have in all? Draw the carrots and peas in the 5group way. Fill in the number sentence.


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9=6+3
$$

Shane played with 5 toy zebras and 4 toy lions. He had 9 animal toys in all. Draw black and tan circles to show the zebras and the lions in the 5-group way. Fill in the number sentence.


Jimmy had 9 marbles. 8 were red and 1 was green. Draw the marbles in the 5-group way. Fill in the number bond and number sentence.


Name $\qquad$ Date $\square$

Fill in the number bonds and complete the number sentences.
Ricky had 10 space toys. He had 7 rockets and 3 astronauts.


Bianca had 4 pigs and 6 sheep on her farm. She had 10 animals all together.


Danica had 5 green balloons. Her friend gave her 5 blue balloons. Draw all of her balloons in the 5-group way. Fill in both number sentences.

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Jason is playing with 10 bouncy balls. He has 8 on the table and 2 on the floor. Draw the bouncy balls in the 5-group way. Fill in both number sentences.


Name


Draw the story. Fill in the number sentence.
Zayne had 6 round crackers and 3 square crackers. How many crackers did Zayne have in all?


Riley had 9 crayons. Her friend gave her 1 crayon. How many crayons did Riley have in all?


Draw the story. Write a number sentence to match.
Jenny had 3 red and 7 purple pieces of construction paper. How many pieces of construction paper did Jenny have all together?


$3+7=10$

Ret had 5 square blocks. His friend gave him 4 rectangle blocks. How many blocks does Ret have all together?



Name $\qquad$ Date


Listen to the word problem. Fill in the number sentence.
Cecilia has 9 bows. Some have polka dots and some have stripes. How many polka dot and how many striped bows do you think Cecilia has?
Coses)

Keegan has 10 train cars. Some are black and some are green. How many black and green train cars do you think Keegan has?



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10=\square+\square
$$

Kate has 9 princess wands. Some are yellow and the rest are green. Show two different ways Kate's wands could look. Fill in the number sentences to match.


Danny has 10 robots. Some are red and the rest are gray. Show two different ways Danny's robots could look. Fill in the number sentences to match.


Name $\qquad$ Date


Fill in the number sentence to match the story.
There were 7 trains. 2 trains rolled away. Now there are 5 trains.


There were 9 cars at the stop sign. 7 drove away. There are 2 cars left.






There were 10 people. 6 people got on the bus. Now there are 4 people.


Draw the story. Fill in the number sentence to match.

The bus had 10 people. 5 people got off. Now there are 5 people left.




There were 9 planes in the sky. 3 planes landed. Now there are 6 planes in the sky.



Name $\qquad$


Fill in the number sentences and number bonds.
There are 9 babies playing. 2 crawl away. How many babies are left?


9-2


There are 10 babies playing. 1 crawls away. How many babies are left?


There are 9 babies playing. 6 crawl away. How many babies are left?


COMMON CORE

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11
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Carlos had a 9-stick. He broke off 4 cubes to share with his friend. How many cubes are left? Draw a line to show where he broke his stick.


Sophie had 10 grapes. She ate 6 grapes. How many grapes are left? Draw her grapes and cross off the ones she ate.


Spot had 10 bones. He hid 8 bones in the ground. How many bones does he have now? Draw Spots bones.


Name $\qquad$
Date


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

Jeremy had 9 balls. He took 5 baseballs outside to play and they got lost. How many balls are left?


Sandy had 9 leaves. Then 4 leaves blew away. How many leaves are left?


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

Ryder had 9 star stickers. He gave 3 to his friend. How many silver
stickers does Ryder have now?

00000


Ten had 9 granola bars. She gave 8 of the granola bars to her teammates. How many granola bars does she have left?


Subtract.

$4-3=$


$$
5-4=
$$

Name


Date $3-25-13$
Fill in the number bond and number sentence. Cross off the part that goes away.

Stan had 10 blueberries. He ate 5 berries. How many blueberries are left?


Tracy had 10 heart stickers. She lost 1 sticker. How many stickers are left?


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

Nick had 10 party hats. 7 hats were thrown away. How many hats does Nick have now?


Tatiana had 10 juice boxes. 3 juice boxes broke and spilled. How many juice boxes does she have left?


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\begin{aligned}
& \text { Q EXOD } \\
& 00000 \\
& 10-3=7
\end{aligned}
$$

## Subtract.

$5-1=4 \quad 5-2=3 \quad 5-3=\square 5-4=\square$

Decompose the number 10 using 5-groups drawings. Record each decomposition with a subtraction equation.
10/2/13

Name


Date


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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Freddy has 3 strawberries for snack. His Dad gave him 2 more strawberries. How many strawberries does Freddy have now?


Freddy ate 2 of his strawberries. How many strawberries does Freddy have now?
$5-2=$
Logan had 7 frogs. 2 frogs hopped away. How many frogs does Logan have now?


Pretend that Logan's 2 frogs hopped back. How many frogs does he have now?


| 1. | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Stella had 4 pennies. She found 3 more pennies. How many pennies does Stella have now?


Stella gave the 3 pennies to her dad. How many pennies does she have now?


Marissa made 8 bracelets. She loved them so much she didn't give any away. How many bracelets does Marissa have now?


Jackson found 6 toys under his bed. He looked and didn't find any more toys. How many toys does Jackson have now?


Solve.



Use the number path to add. Write the number in the box. Color the circles to match. Use a different color to show 1 more.

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\begin{array}{ll}
1+1=2 & 00000 \\
2+1=3 & \begin{array}{l}
00000 \\
00000
\end{array} \\
3+1=4 & \begin{array}{l}
00000 \\
00000
\end{array} \\
4+1=5 & 00000 \\
300000
\end{array}
$$



## COMMON Lesson 38: CORE

Add 1 to numbers 1-9 to see the pattern of "the next number" using 5 group drawings and equations. 10/2/13
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Fill in the number sentences. Color the circles.

$$
\begin{array}{ll}
6+1=\square & 0000 \\
3+1=4 & 000000
\end{array}
$$

| COMMON | Lesson $38:$ |
| :--- | :--- |
| CORE |  |

CORE

Add 1 to numbers 1-9 to see the pattern of "the next number" using 5 group drawings and equations. 10/2/13

Name


Date $3-28-13$
Draw dots to make ten. Fill in the number bond.


Draw dots to make ten. Fill in the number bond.

Solve.
$9+1=\$ 0$

$7+3=0$
$10+0=10$

Name Asia Date 3-29<13
Look at the 5-group cards. Draw dots to make 10. Fill in the number sentences.


On the back, create a 5-group card. Draw dots to make 10 and write a number sentence.

