



A Story of Units

Pleasanton
UNIFIED SCHOOL DISTRICT

Mathematics Curriculum



Grade 1 • MODULE 2

Introduction to Place Value Through Addition and
Subtraction Within 20

Homework

Video tutorials: <http://embarc.online>

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

Version 3



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GRADE 1 • MODULE 2

Introduction to Place Value Through Addition and Subtraction Within 20

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Name _____

Date _____

Read the math story. Make a simple math drawing with labels. Circle 10 and solve.

1. Chris bought some treats. He bought 5 granola bars, 6 boxes of raisins, and 4 cookies. How many treats did Chris buy?

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$10 + \underline{\quad} = \underline{\quad}$$

Chris bought _____ treats.

-
2. Cindy has 5 cats, 7 goldfish, and 5 dogs. How many pets does she have in all?

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$10 + \underline{\quad} = \underline{\quad}$$

Cindy has _____ pets.

3. Mary gets stickers at school for good work. She got 7 puffy stickers, 6 smelly stickers, and 3 flat stickers. How many stickers did Mary get at school altogether?

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$10 + \underline{\quad} = \underline{\quad}$$

Mary got stickers at school.

4. Jim sat at a table with 4 teachers and 9 children. How many people were at the table after Jim sat down?

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

There were people at the table after Jim sat down.

Name _____

Date _____

Circle the numbers that make ten. Draw a picture. Complete the number sentence.

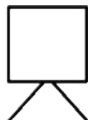
1. $\textcircled{6} + 2 + \textcircled{4} = \square$



$$\underline{6} + \underline{\quad} + \underline{2}$$

$$\boxed{10} + \underline{\quad} = \underline{\quad}$$

2. $5 + 3 + 5 = \square$



$$\underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$10 + \underline{\quad} = \underline{\quad}$$

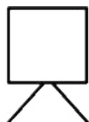
3. $5 + 2 + 8 = \square$



$$\underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} + 10 = \underline{\quad}$$

4. $2 + 7 + 3 = \square$

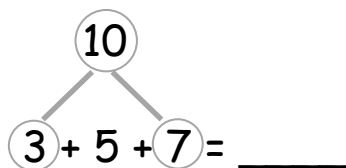


$\underline{\quad} + \underline{\quad} + \underline{\quad}$

$\underline{\quad} + 10 = \underline{\quad}$

Circle the numbers that make ten, and put them into a number bond. Write a new number sentence.

5.



$\underline{\quad} + \underline{\quad} = \underline{\quad}$

6.

$4 + 8 + 2 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$

Challenge: Circle the addends that make ten. Circle the true number sentences.

a. $5 + 5 + 3 = 10 + 3$

c. $3 + 8 + 7 = 10 + 6$

b. $4 + 6 + 6 = 10 + 6$

d. $8 + 9 + 2 = 9 + 10$

Name _____ Date _____

Draw, label, and circle to show how you made ten to help you solve.
Complete the number sentences.

1. Ron has 9 marbles, and Sue has 4 marbles.
How many marbles do they have in all?

9 and _____ make _____.

10 and _____ make _____.

Ron and Sue have _____ marbles.

2. Jim has 5 cars, and Tina has 9. How many cars do they have altogether?

9 and _____ make _____.

10 and _____ make _____.

Jim and Tina have _____ cars.

3. Stan has 6 fish, and Meg has 9. How many fish do they have in all?

$$9 + \underline{\quad} = \underline{\quad}$$

$$10 + \underline{\quad} = \underline{\quad}$$

Stan and Meg have fish.

4. Rick made 7 cookies, and Mom made 9. How many cookies did Rick and Mom make?

$$9 + \underline{\quad} = \underline{\quad}$$

$$10 + \underline{\quad} = \underline{\quad}$$

Rick and Mom made cookies.

5. Dad has 8 pens, and Tony has 9. How many pens do Dad and Tony have in all?

$$9 + \underline{\quad} = \underline{\quad}$$

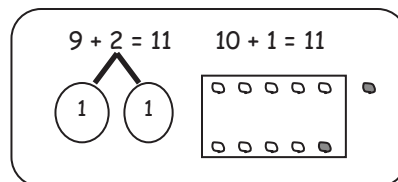
$$10 + \underline{\quad} = \underline{\quad}$$

Dad and Tony have pens.

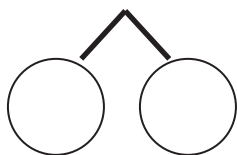
Name _____

Date _____

Solve. Make math drawings using the ten-frame to show how you made 10 to solve.



1. $9 + 3 = \underline{\quad}$



$\underline{\quad} + \underline{\quad} = \underline{\quad}$



2. $9 + 6 = \underline{\quad}$



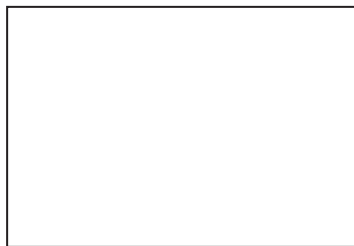
$\underline{\quad} + \underline{\quad} = \underline{\quad}$



3. $7 + 9 = \underline{\quad}$

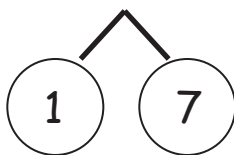


$\underline{\quad} + \underline{\quad} = \underline{\quad}$

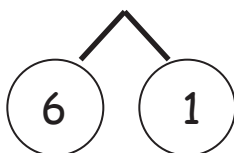


4. Match the number sentences to the bonds you used to help you make ten.

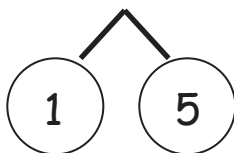
a. $9 + 8 = \underline{\quad}$



b. $\underline{\quad} = 9 + 6$



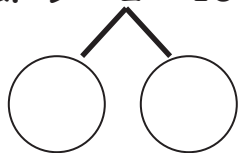
c. $7 + 9 = \underline{\quad}$



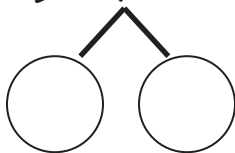
5. Show how the expressions are equal.

Use numbers bonds to make ten in the 9+ fact expression within the true number sentence. Draw to show the total.

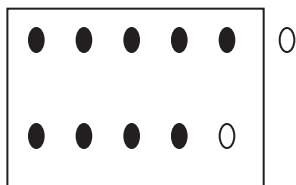
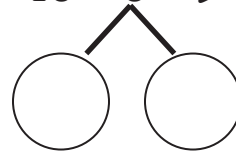
a. $9 + 2 = 10 + 1$



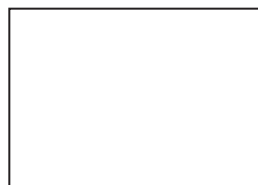
b. $10 + 3 = 9 + 4$



c. $5 + 10 = 6 + 9$



0



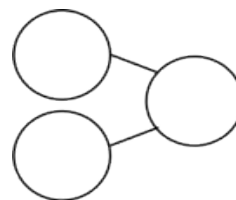
Name _____

Date _____

Solve the number sentences. Use number bonds to show your thinking. Write the 10+ fact and new number bond.

1. $9 + 6 = \underline{\quad}$

$10 + \underline{\quad} = \underline{\quad}$



2. $9 + 8 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$

3. $5 + 9 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$

4. $7 + 9 = \underline{\quad}$

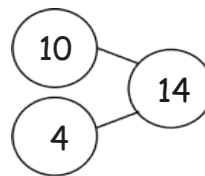
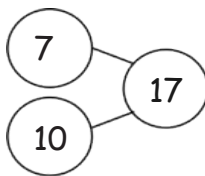
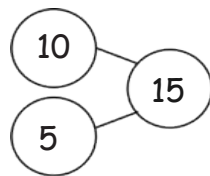
$\underline{\quad} + \underline{\quad} = \underline{\quad}$

5. Solve. Match the number sentence to the 10+ number bond.

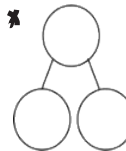
a. $9 + 5 = \underline{\quad}$

b. $9 + 6 = \underline{\quad}$

c. $9 + 8 = \underline{\quad}$



Use an efficient strategy to solve the number sentences.



6. $9 + 7 = \underline{\quad}$

7. $9 + 2 = \underline{\quad}$

8. $9 + 1 = \underline{\quad}$

9. $8 + 9 = \underline{\quad}$

10. $4 + 9 = \underline{\quad}$

11. $9 + 9 = \underline{\quad}$

Name _____

Date _____

1. Solve. Use your number bonds. Draw a line to match the related facts. Write the related 10+ fact.

a.

$9 + 6 = \underline{\quad}$

$\underline{\quad} = 9 + 8$

b.

$\underline{\quad} = 3 + 9$

$\underline{\quad} = 7 + 9$

c.

$\underline{\quad} = 9 + 5$

$6 + 9 = \underline{\quad}$

$10 + 5 = 15$

d.

$8 + 9 = \underline{\quad}$

$9 + 3 = \underline{\quad}$

e.

$9 + 7 = \underline{\quad}$

$5 + 9 = \underline{\quad}$

2. Complete the addition sentences to make them true.

a. $3 + 10 = \underline{\quad}$

f. $\underline{\quad} = 7 + 9$

b. $4 + 9 = \underline{\quad}$

g. $10 + \underline{\quad} = 18$

c. $10 + 5 = \underline{\quad}$

h. $9 + 8 = \underline{\quad}$

d. $9 + 6 = \underline{\quad}$

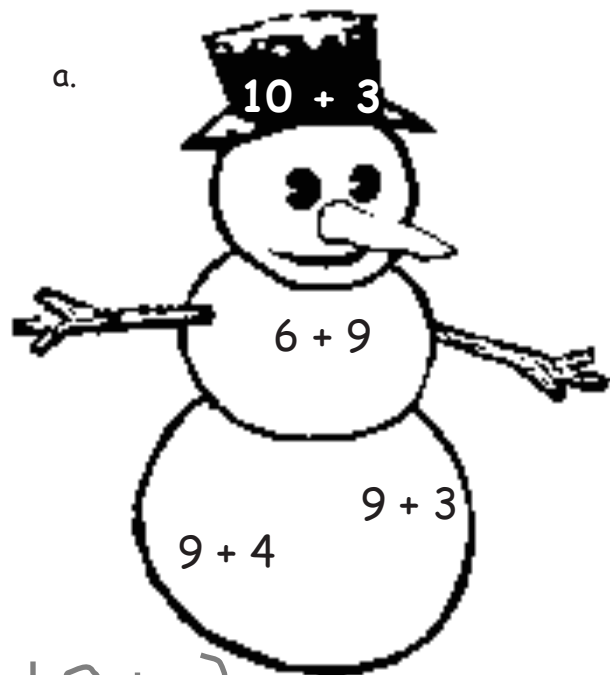
i. $\underline{\quad} + 9 = 19$

e. $7 + 10 = \underline{\quad}$

j. $5 + 9 = \underline{\quad}$

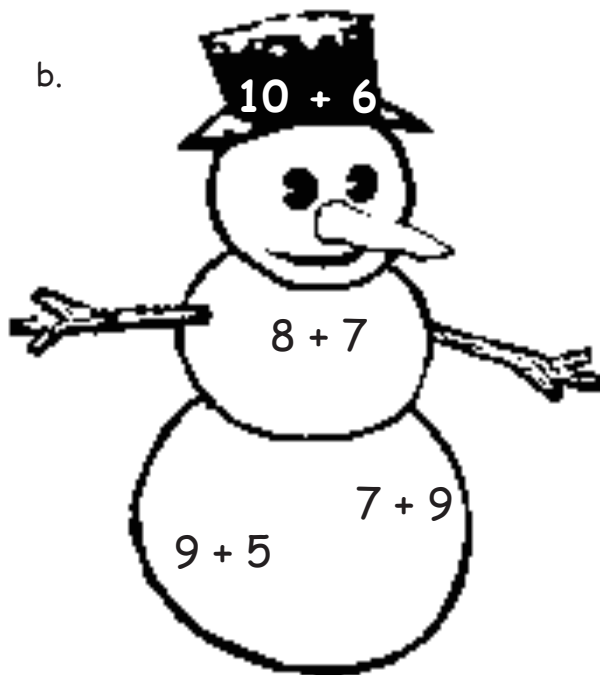
3. Find and color the expression that is equal to the expression on the snowman's hat.
Write the true number sentence below.

a.



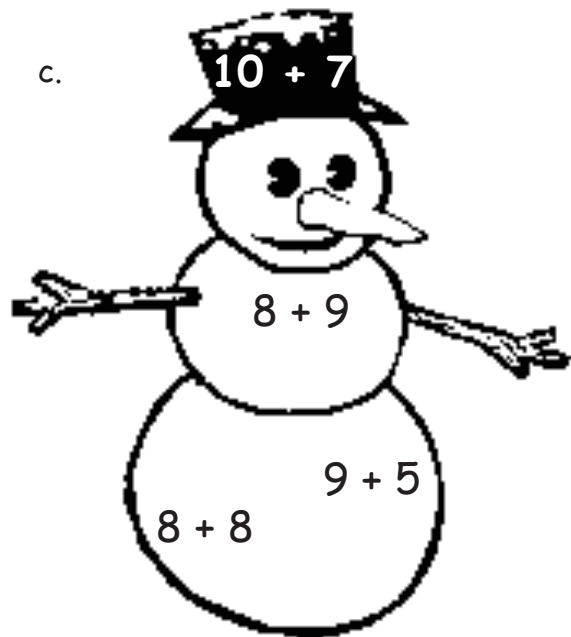
$$10 + 3 = \underline{\hspace{2cm}}$$

b.



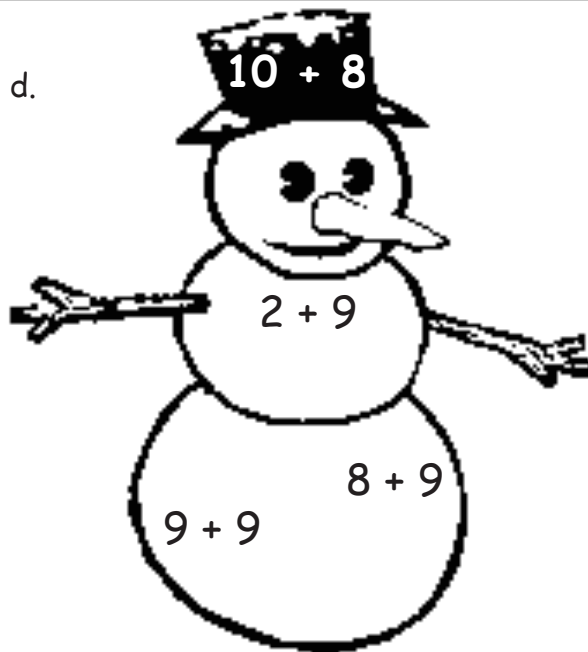
$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

c.



$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

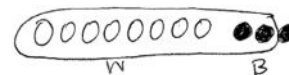
d.



$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Name _____

Date _____

Draw, label, and circle to show how you made ten to help you solve.

Write the number sentences you used to solve.

1. Meg gets 8 toy animals and 4 toy cars at a party.
How many toys does Meg get in all?

$$8 + 3 = 11$$

$$10 + 1 = 11$$

$$8 + 4 = \underline{\quad}$$

$$10 + \underline{\quad} = \underline{\quad}$$

Meg gets _____ toys.

2. John makes 6 baskets in his first basketball game and 8 baskets in his second.
How many baskets does he make altogether?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

John makes _____ baskets.

3. May has a party. She invites 7 girls and 8 boys. How many friends does she invite in all?

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

May invites friends.

4. Alec collects baseball hats. He has 9 Mets hats and 8 Yankees hats. How many hats are in his collection?

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

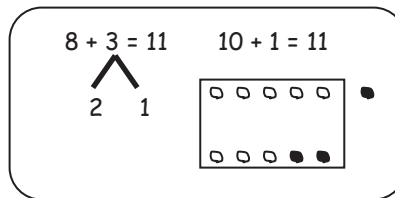
$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

Alec has hats.

Name _____

Date _____

Solve. Make math drawings using the ten-frame to show how you made ten to solve.



1. $8 + 4 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$



2. $8 + 6 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$



3. $7 + 8 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$



4. Make math drawings using ten-frames to solve. Circle the true number sentences.

Write an X to show number sentences that are not true.

a. $8 + 4 = 10 + 2$

b. $10 + 6 = 8 + 8$

c. $7 + 8 = 10 + 6$

d. $5 + 10 = 5 + 8$

e. $2 + 10 = 8 + 3$

f. $8 + 9 = 10 + 7$

Name _____ Date _____

Use number bonds to show your thinking. Write the 10+ fact.

1. $8 + 3 = \underline{\quad}$ $10 + \underline{\quad} = \underline{\quad}$

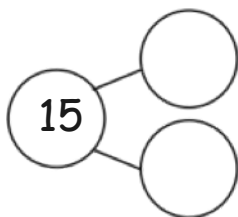
2. $6 + 8 = \underline{\quad}$ $\underline{\quad} + 10 = \underline{\quad}$

3. $\underline{\quad} = 8 + 8$ $\underline{\quad} = 10 + \underline{\quad}$

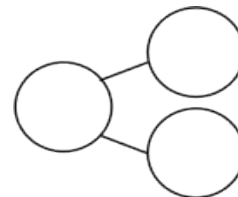
4. $\underline{\quad} = 5 + 8$ $\underline{\quad} = 10 + \underline{\quad}$

Complete the addition sentences and the number bonds.

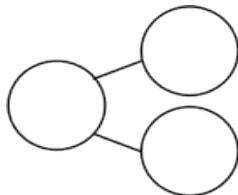
5. a. $7 + 8 = \underline{\quad}$



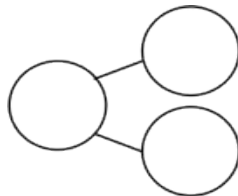
b. $10 + 5 = \underline{\quad}$



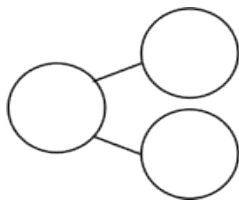
6. a. $16 = \underline{\quad} + 8$



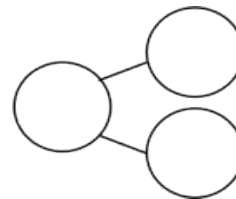
b. $10 + 6 = \underline{\quad}$



7. a. $\underline{\quad} = 9 + 8$



b. $10 + 7 = \underline{\quad}$



Draw a line to the matching number sentence. You may use a number bond or 5-group drawing to help you.

8. $11 = 8 + 3$

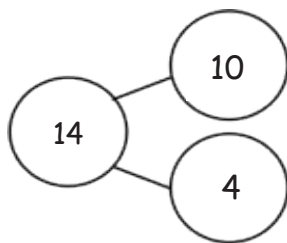
$8 + 6 = 14$

9. Lisa had 5 red rocks and 8 white rocks.
How many rocks did she have?

$10 + 1 = 11$

$13 = 10 + 3$

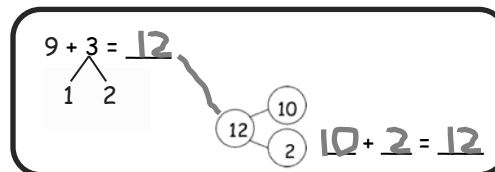
10.



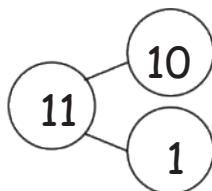
Name _____

Date _____

Solve. Match the number sentence to the ten-plus number bond that helped you solve the problem. Write the ten-plus number sentence.

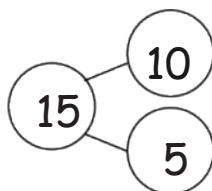


1. $8 + 6 = \underline{\quad}$



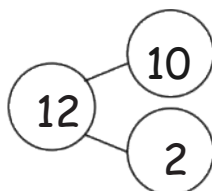
$\underline{\quad} + \underline{\quad} = \underline{\quad}$

2. $7 + 5 = \underline{\quad}$



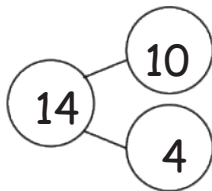
$\underline{\quad} + \underline{\quad} = \underline{\quad}$

3. $5 + 8 = \underline{\quad}$



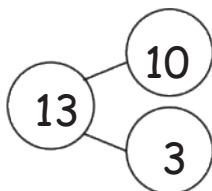
$\underline{\quad} + \underline{\quad} = \underline{\quad}$

4. $4 + 7 = \underline{\quad}$



$\underline{\quad} + \underline{\quad} = \underline{\quad}$

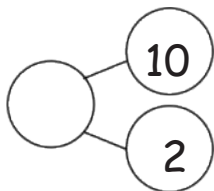
5. $6 + 9 = \underline{\quad}$



$\underline{\quad} + \underline{\quad} = \underline{\quad}$

Complete the number sentences so they equal the given number bond.

6.

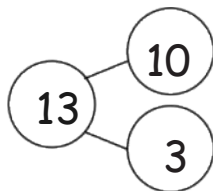


$$9 + \underline{\quad} = 12$$

$$8 + \underline{\quad} = 12$$

$$7 + \underline{\quad} = 12$$

7.

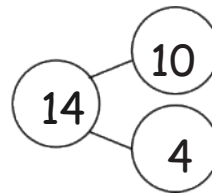


$$9 + \underline{\quad} = 13$$

$$8 + \underline{\quad} = 13$$

$$7 + \underline{\quad} = 13$$

8.

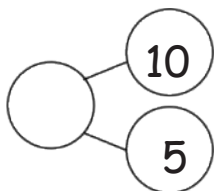


$$9 + \underline{\quad} = 14$$

$$8 + \underline{\quad} = 14$$

$$7 + \underline{\quad} = 14$$

9.

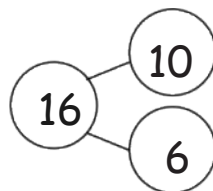


$$15 = 9 + \underline{\quad}$$

$$\underline{\quad} = 8 + \underline{\quad}$$

$$\underline{\quad} = 7 + \underline{\quad}$$

10.

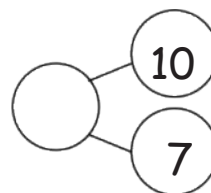


$$16 = 9 + \underline{\quad}$$

$$\underline{\quad} = 8 + \underline{\quad}$$

$$7 + \underline{\quad} = \underline{\quad}$$

11.



$$\underline{\quad} = 9 + 8$$

$$\underline{\quad} = 8 + \underline{\quad}$$

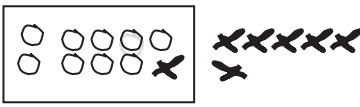
$$\underline{\quad} = 7 + \underline{\quad}$$

Name _____

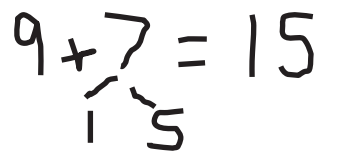
Date _____

Look at the student work. Correct the work. If the answer is incorrect, show a correct solution in the space below the student work.

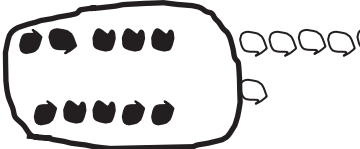
1. Todd has 9 red cars and 7 blue cars. How many cars does he have altogether?

Mary's Work


$9 + 7 = 16$

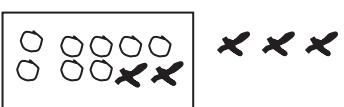
Joe's Work


$9 + 7 = 15$

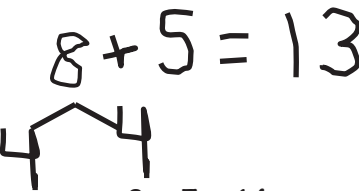
Len's Work


$9 + 7 = 16$

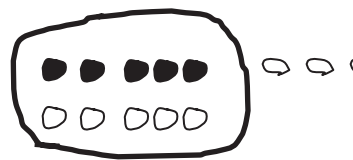
2. Jill has 8 beta fish and 5 goldfish. How many fish does she have in total?

Frank's Work


$8 + 5 = 13$

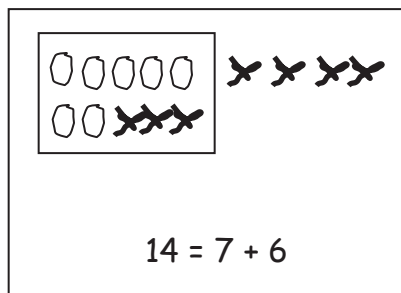
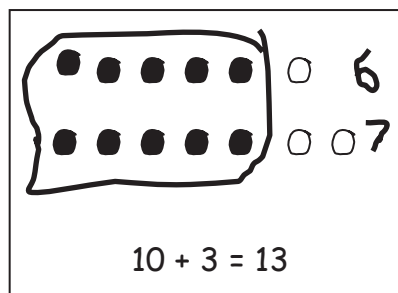
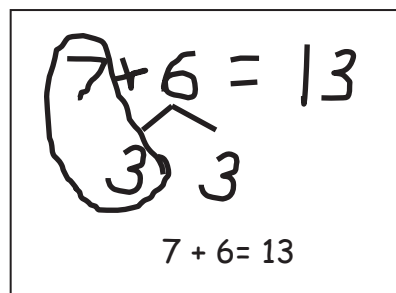
Lori's Work


$8 + 5 = 14$

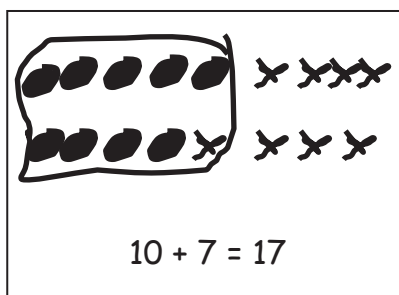
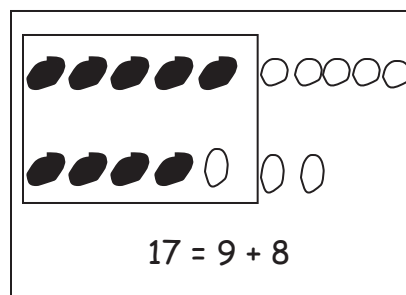
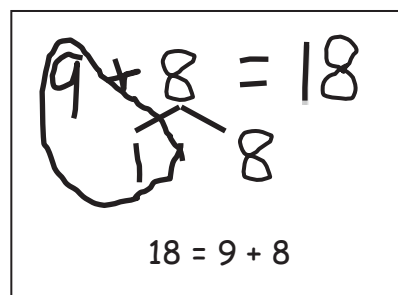
Mike's Work


$8 + 5 = 13$

3. Dad baked 7 chocolate and 6 vanilla cupcakes. How many cupcakes did he bake in all?

Mary's WorkJoe's WorkLori's Work

4. Mom caught 9 fireflies, and Sue caught 8 fireflies. How many fireflies did they catch altogether?

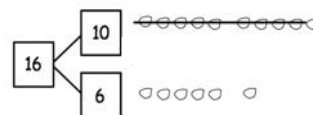
Mike's WorkLen's WorkFrank's Work

Name _____

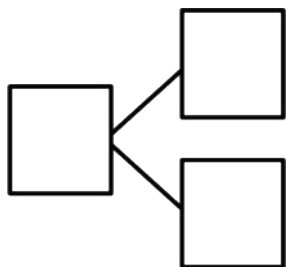
Date _____

Make a simple math drawing. Cross out from the 10 ones to show what happens in the stories.

I had 16 grapes.
10 of them were red,
and 6 were green.
I ate 9 red grapes.
How many grapes do
I have now?

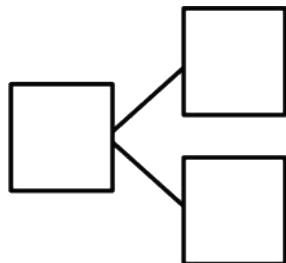
Now I have 7 grapes.

1. There were 15 squirrels by a tree. 10 of them were eating nuts. 5 squirrels were playing. A loud noise scared away 9 of the squirrels eating nuts. How many squirrels were left by the tree?



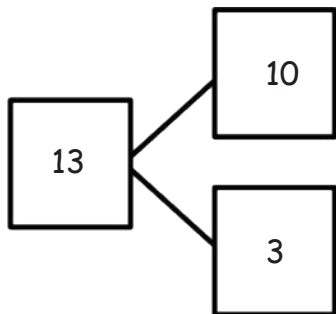
There were ____ squirrels left by the tree.

2. There are 17 ladybugs on the plant. 10 of them are on a leaf, and 7 of them are on the stem. 9 of the ladybugs on the leaf crawled away. How many ladybugs are still on the plant?



There are ____ ladybugs on the plant.

3. Use the number bond to fill in the math story. Make a simple math drawing. Cross out from 10 ones or some ones to show what happens in the stories.



There were 13 ants in the anthill.

10 of the ants are sleeping, and 3 of them are awake.

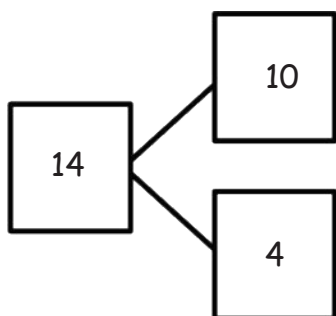
9 of the sleeping ants woke up and crawled away.

How many ants are left in the anthill?

Math drawing:

_____ ants are left in the anthill.

4. Use the number bond below to come up with your own math story. Include a simple math drawing. Cross out from 10 ones to show what happens.



Math drawing:

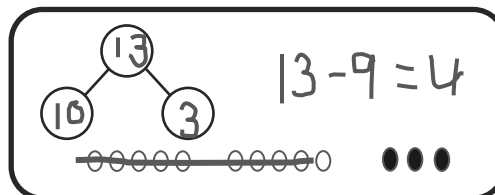
Number sentences:

Statement:

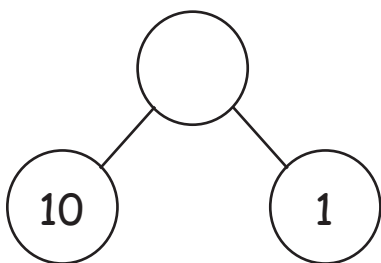
Name _____

Date _____

Solve. Use 5-group rows, and cross out to show your work. Write number sentences.

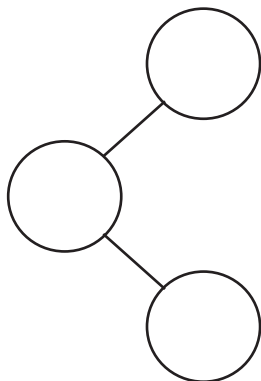


1. In a park, 10 dogs are running on the grass, and 1 dog is sleeping under the tree. 9 of the running dogs leave the park. How many dogs are left in the park?



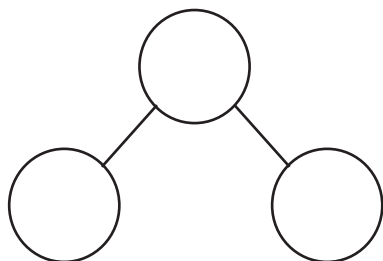
There are ____ dogs left in the park.

2. Alejandro had 9 rocks in his yard and 10 rocks in his room. 9 of the rocks in his room are gray rocks, and the rest of the rocks are white. How many white rocks does Alejandro have?



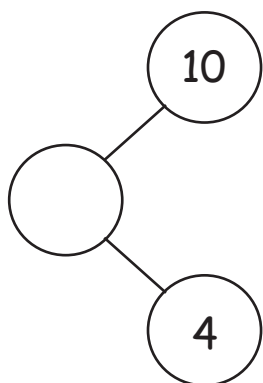
Alejandro has ____ white rocks.

3. Sophia has 8 toy cars in the kitchen and 10 toy cars in her bedroom. 9 of the toy cars in the bedroom are blue. The rest of her cars are red. How many red cars does Sophia have?



Sophia has ____ red cars.

-
4. Complete the number bond, and fill in the math story. Use 5-group rows, and cross out to show your work. Write number sentences.



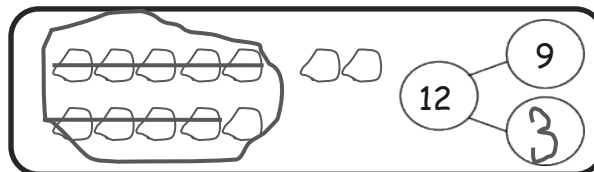
There were ____ birds splashing in a puddle and ____ birds walking on the dry grass. 9 of the splashing birds flew away. How many birds are left?

There are ____ birds left.

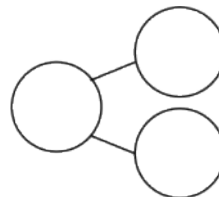
Name _____

Date _____

Circle 10 and subtract. Make a number bond.



1. $15 - 9 = \underline{\quad}$



Draw and circle 10. Subtract and make a number bond.

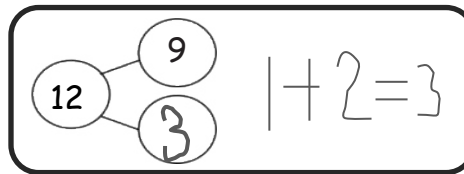
2. $14 - 9 = \underline{\quad}$

3. $12 - 9 = \underline{\quad}$

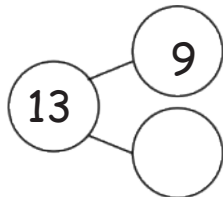
4. $13 - 9 = \underline{\quad}$

5. $16 - 9 = \underline{\quad}$

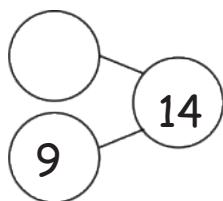
6. Complete the number bond, and write the number sentence that helped you.



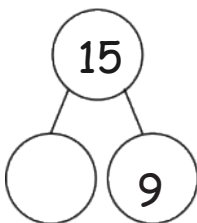
a.



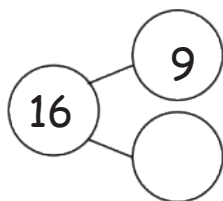
b.



c.



d.



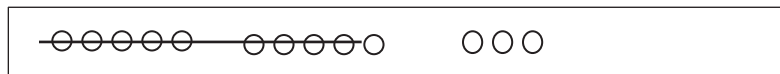
7. Make the number bond that would come next, and write a number sentence that matches.

Name _____

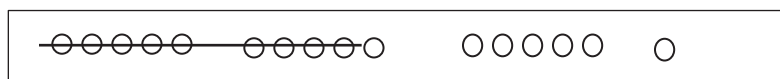
Date _____

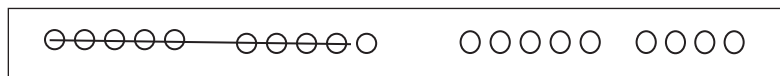
Write the number sentence for each 5-group row drawing.

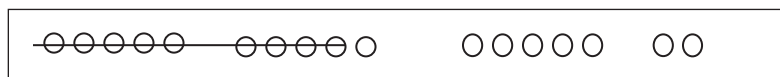
1.



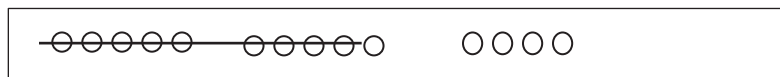
$$13 - 9 = 4$$





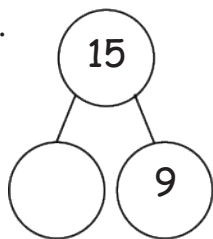




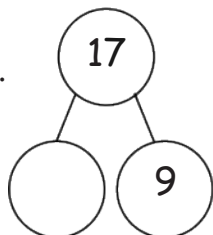


Draw 5-groups to complete the number bond, and write the 9- number sentence.

2.

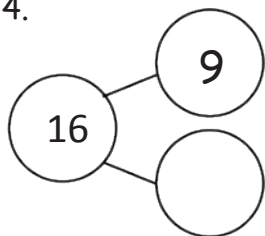


3.



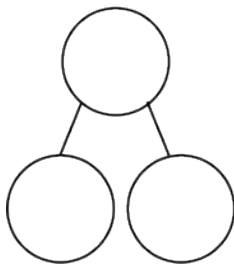
Draw 5-groups to complete the number bond, and write the 9- number sentence.

4.

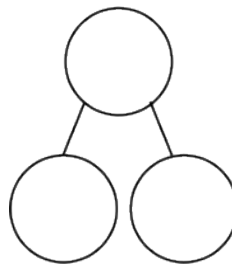


Draw 5-groups to show making ten and taking from ten to solve the two number sentences. Make a number bond, and write two additional number sentences that would have this number bond.

5. $8 + 9 = \underline{\quad}$



6. $17 - 9 = \underline{\quad}$



Name _____

Date _____

Complete the subtraction sentences by using either the count on or take from ten strategy. Tell which strategy you used.

1. $17 - 9 = \underline{\quad}$

☐ take from ten☐ count on

2. $12 - 9 = \underline{\quad}$

☐ take from ten☐ count on

3. $16 - 9 = \underline{\quad}$

☐ take from ten☐ count on

4. $11 - 9 = \underline{\quad}$

☐ take from ten☐ count on

5. Nicholas collected 14 leaves. He pasted 9 into his notebook. How many of his leaves were not pasted into his notebook? Choose the count on or take from ten strategy to solve.

I chose this strategy:

☐ take from ten☐ count on

6. Sheila had 17 oranges. She gave 9 oranges to her friends. How many oranges does Sheila have left? Choose the count on or take from ten strategy to solve.

I chose this strategy:

☐ take from ten

☐ count on

7. Paul has 12 marbles. Lisa has 18 marbles. They each rolled 9 marbles down a hill. How many marbles did each student have left? Tell which strategy you chose for each student.

Paul has _____ marbles left.

Lisa has _____ marbles left.

8. Just as you did today in class, think about how to solve the following problems, and talk to your parent or caregiver about your ideas.

$15 - 9$

$13 - 9$

$17 - 9$

$18 - 9$

$19 - 9$

$12 - 9$

$11 - 9$

$14 - 9$

$16 - 9$

Circle the problems you think are easier to solve by counting on from 9. Put a rectangle around those that are easier to solve using the take from ten strategy. Remember, some might be just as easy using either method.

Name _____

Date _____

1. Match the number sentence to the picture or to the number bond.

a. $13 - 7 = \underline{\quad}$

$\begin{array}{c} 13 \\ \swarrow \quad \searrow \\ 10 \quad 3 \end{array}$	$10 - 7 = 3$ $3 + 3 = 6$
--	-----------------------------

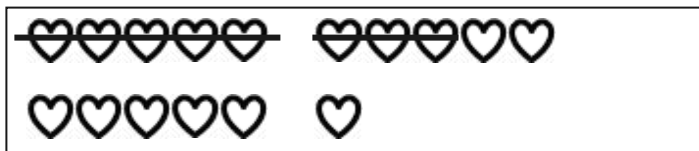
b. $16 - 8 = \underline{\quad}$



c. $11 - 8 = \underline{\quad}$

$\begin{array}{c} 13 \\ \swarrow \quad \searrow \\ 10 \quad 3 \end{array}$	$10 - 8 = 2$ $2 + 3 = 5$
--	-----------------------------

d. $13 - 8 = \underline{\quad}$

2. Show how you would solve $14 - 8$, either with a number bond or a drawing.

Circle 10. Then subtract.

3. Milo has 17 rocks. He throws 8 of them into a pond. How many does he have left?



Milo has _____ rocks left.

Draw and circle 10. Then subtract.

4. Lucy has \$12. She spends \$8. How much money does she have now?

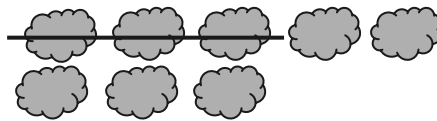
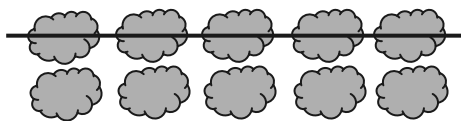
Lucy has \$_____ now.

Draw and circle 10, or use a number bond to break apart the teen number and subtract.

5. Sean has 15 dinosaurs. He gives 8 to his sister. How many dinosaurs does he keep?

Sean keeps _____ dinosaurs.

6. Use the picture to fill in the math story. Show a number sentence.



Olivia saw _____ clouds in the sky.
_____ clouds went away. How many
clouds are left?

Try it! Can you show how to solve
this problem with a number bond?

Name _____

Date _____

Draw 5-group rows, and cross out to solve. Write the 2+ addition sentence that helped you add the two parts.

1. Annabelle had 13 goldfish. Eight goldfish ate fish food. How many goldfish did not eat fish food?

_____ goldfish did not eat fish food.

2. Sam collected 15 buckets of rain water. He used 8 buckets to water his plants. How many buckets of rain water does Sam have left?

Sam has _____ buckets of rain water left.

3. There were 19 turtles swimming in the pond. Some turtles climbed up onto the dry rocks, and now there are only 8 turtles swimming. How many turtles are on the dry rocks?

There are _____ turtles on the dry rocks.

Show making ten or taking from ten to solve the number sentences.

4. $7 + 8 = \underline{\quad}$

5. $15 - 8 = \underline{\quad}$

Find the missing number by drawing 5-group rows.

6. $11 - 9 = \underline{\quad}$

7. $14 - 9 = \underline{\quad}$

8. Draw 5-group rows to show the story. Cross out or use number bonds to solve. Write a number sentence to show how you solved the problem.

There were 14 people at home. Ten people were watching a football game. Four people were playing a board game. Eight people left. How many people stayed?

 people stayed at home.

Name _____ Date _____

Complete the subtraction sentences by using the take from ten strategy and count on.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

1. a. $12 - 8 = \underline{\quad}$



b. $8 + \underline{\quad} = 12$

2. a. $15 - 8 = \underline{\quad}$



b. $8 + \underline{\quad} = 15$

Choose the count on strategy or the take from ten strategy to solve.

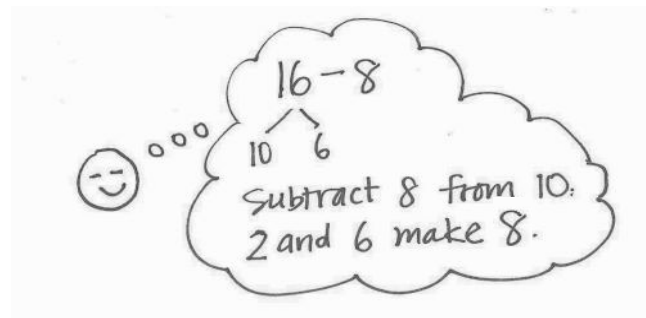
3. $11 - 8 = \underline{\quad}$

4. $17 - 8 = \underline{\quad}$

Use a number bond to show how you solved using the take from ten strategy.

5. Elise counted 16 worms on the pavement. Eight worms crawled into the dirt. How many worms did Elise still see on the pavement?

$$16 - 8 = \underline{\quad}$$



Elise still saw worms on the pavement.

-
6. John ate 8 orange slices. If he started with 13, how many orange slices does he have left?

John has orange slices left.

-
7. Match the addition number sentence to the subtraction number sentence. Fill in the missing numbers.

a. $12 - 8 = \underline{\quad}$

$$8 + \underline{\quad} = 11$$

b. $15 - 8 = \underline{\quad}$

$$8 + \underline{\quad} = 18$$

c. $18 - 8 = \underline{\quad}$

$$8 + \underline{\quad} = 12$$

d. $11 - 8 = \underline{\quad}$

$$8 + \underline{\quad} = 15$$

Name _____

Date _____

Complete the number sentences to make them true.

1. $15 - 9 = \underline{\quad}$

2. $15 - 8 = \underline{\quad}$

3. $15 - 7 = \underline{\quad}$

4. $17 - 9 = \underline{\quad}$

5. $17 - 8 = \underline{\quad}$

6. $17 - 7 = \underline{\quad}$

7. $16 - 9 = \underline{\quad}$

8. $16 - 8 = \underline{\quad}$

9. $16 - 7 = \underline{\quad}$

10. $19 - 9 = \underline{\quad}$

11. $19 - 8 = \underline{\quad}$

12. $19 - 7 = \underline{\quad}$

13. Match equal expressions.

a. $19 - 9$

$12 - 7$

b. $13 - 8$

$18 - 8$

14. Read the math story. Use a drawing or a number bond to show how you know who is right.
- Elsie says that the expressions $17 - 8$ and $18 - 9$ are equal. John says they are not equal. Who is right?
 - John says that the expressions $11 - 8$ and $12 - 8$ are not equal. Elsie says they are. Who is right?
 - Elsie says that to solve $17 - 9$, she can take one from 17 and give it to 9 to make 10. So, $17 - 9$ is equal to $16 - 10$. John thinks Elsie made a mistake. Who is correct?
 - John and Elsie are trying to find several subtraction number sentences that start with numbers larger than 10 and have an answer of 7. Help them figure out number sentences. They started the first one.

$16 - 9 = \underline{\quad}$

Name _____

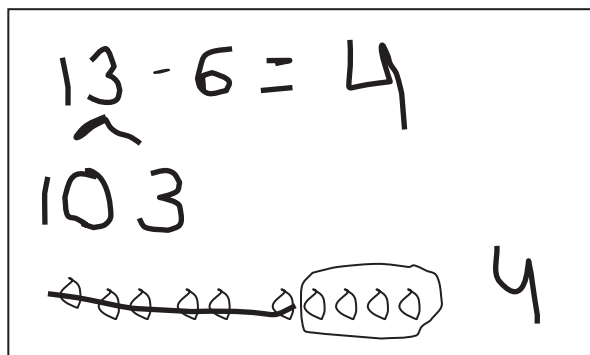
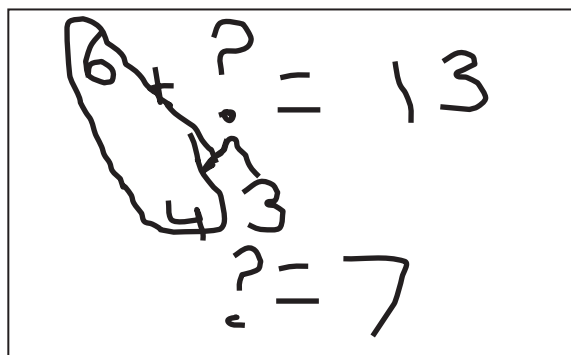
Date _____

Olivia and Jake both solved the word problems.
 Write the strategy used under their work.
 Check their work. If incorrect, solve correctly.
 If solved correctly, solve using a different strategy.

Strategies:

- Take from 10
- Make 10
- Count on
- I just knew

1. A fruit bowl had 13 apples. Mike ate 6 apples from the fruit bowl. How many apples were left?

Olivia's workJake's work

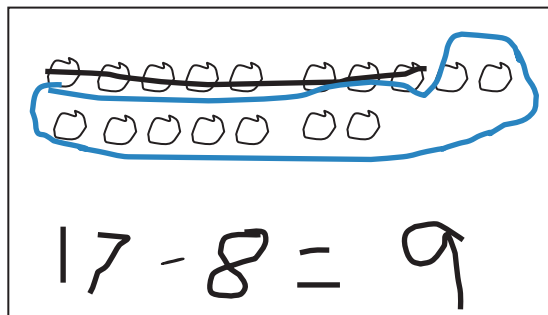
a. Strategy: _____

b. Strategy: _____

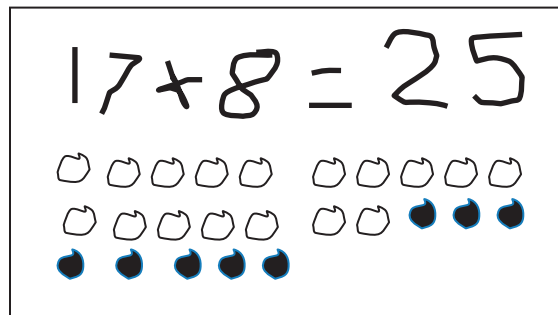
c. Explain your strategy choice below.

2. Drew has 17 baseball cards in a box. He has 8 cards with Red Sox players, and the rest are Yankees players. How many Yankees player cards does Drew have in his box?

Olivia's work



Jake's work



a. Strategy: _____

b. Strategy: _____

c. Explain your strategy choice below.

Name _____

Date _____

Read the word problem.

Draw and label.

Write a number sentence and a statement that matches the story.

Remember to draw a box around your solution in the number sentence.

Strategies:

- Take from 10
- Make 10
- Count on
- I just knew

1. Michael and Anastasia pick 14 flowers for their mom. Michael picks 6 flowers. How many flowers does Anastasia pick?
2. Daquan bought 6 toy cars. He also bought some magazines. He bought 15 items in all. How many magazines did Daquan buy?
3. Henry and Millie baked 18 cookies. Nine of the cookies were chocolate chip. The rest were oatmeal. How many were oatmeal?

4. Felix made 8 birthday invitations with hearts. He made the rest with stars. He made 17 invitations in all. How many invitations had stars?
5. Ben and Miguel are having a bowling contest. Ben wins 9 times. They play 17 games in all. There are no tied games. How many times does Miguel win?
6. Kenzie went to soccer practice 16 days this month. Only 9 of her practices were on a school day. How many times did she practice on a weekend?

Name _____

Date _____

Read the word problem.Draw and label.Write a number sentence and a statement that matches the story.

1. Micah collected 9 pinecones on Friday and some more on Saturday. Micah collected a total of 14 pinecones. How many pinecones did Micah collect on Saturday?

-
2. Giana bought 8 star stickers to add to her collection. Now, she has 17 stickers in all. How many stickers did Giana have at first?

3. Samil counted 5 pigeons on the street. Some more pigeons came. There were 13 pigeons in all. How many pigeons came?

-
4. Claire had some eggs in the fridge. She bought 12 more eggs. Now, she has 18 eggs in all. How many eggs did Claire have in the fridge at first?

Name _____

Date _____

Read the word problem.Draw and label.Write a number sentence and a statement that matches the story.

1. Toby dropped 12 crayons on the classroom floor. Toby picked up 9 crayons. Marnie picked up the rest. How many crayons did Marnie pick up?

-
2. There were 11 students on the playground. Some students went back into the classroom. If 7 students stayed outside, how many students went inside?

3. At the play, 8 students from Mr. Frank's room got a seat. If there were 17 children from Room 24, how many children did not get a seat?

-
4. Simone had 12 bagels. She shared some with friends. Now, she has 9 bagels left. How many did she share with friends?

Name _____

Date _____

1. Circle "true" or "false."

Equation	True or False?
a. $2 + 3 = 5 + 1$	True / False
b. $7 + 9 = 6 + 10$	True / False
c. $11 - 8 = 12 - 9$	True / False
d. $15 - 4 = 14 - 5$	True / False
e. $18 - 6 = 2 + 10$	True / False
f. $15 - 8 = 2 + 5$	True / False

2. Lola and Charlie are using expression cards to make true number sentences. Use pictures and words to show who is right.


- a. Lola picked $4 + 8$, and Charlie picked $9 + 3$. Lola says these expressions are equal, but Charlie disagrees. Who is right? Explain your thinking.


- b. Charlie picked $11 - 4$, and Lola picked $6 + 1$. Charlie says these expressions are not equal, but Lola disagrees. Who is right? Use a picture to explain your thinking.
- c. Lola picked $9 + 7$, and Charlie picked $15 - 8$. Lola says these expressions are equal but Charlie disagrees. Who is right? Use a picture to explain your thinking.
3. The following addition number sentences are FALSE. Change one number in each problem to make a TRUE number sentence, and rewrite the number sentence.
- a. $10 + 5 = 9 + 5$ _____
- b. $10 + 3 = 8 + 4$ _____
- c. $9 + 3 = 8 + 5$ _____

Name _____

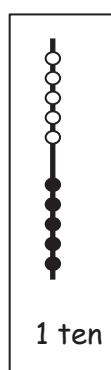
Date _____

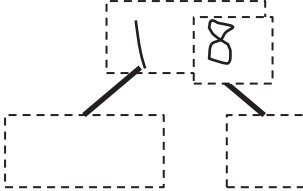
Circle **ten**. Write the number. How many **tens** and **ones**?

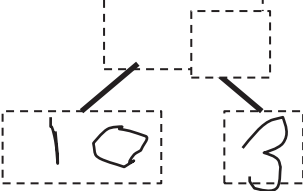
1.  is the same as
_____ ten and _____ ones.

2.  is the same as
_____ ones and _____ ten.

Use the Hide Zero pictures to draw the ten and ones shown on the cards.

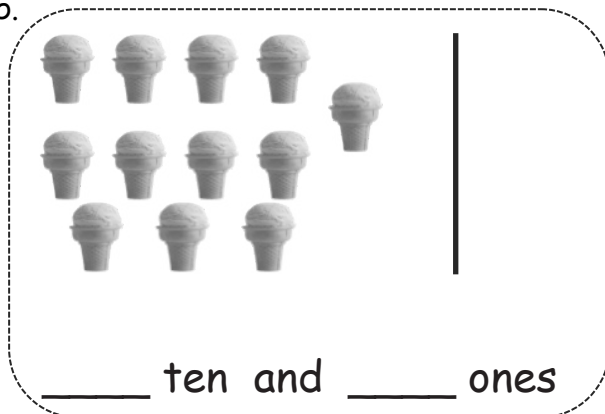


3. 
_____ ten and _____ ones

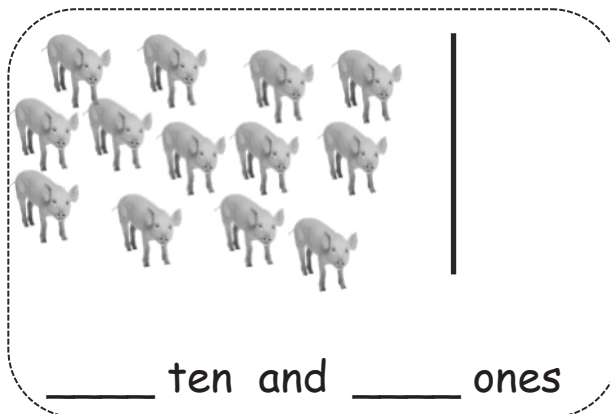
4. 
_____ ten and _____ ones

Draw using 5-groups columns to show the tens and ones.

5.



6.



Draw your own examples using 5-groups columns to show the tens and ones.

7.

16



16 is the same as

_____ ten and _____ ones.

8.

19



19 is the same as

_____ ones and _____ ten.

Name _____

Date _____

Solve the problems. Write the answers to show how many tens and ones. If there is only one ten, cross off the "s."

1.

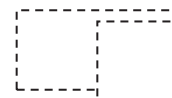
$8 + 5 =$



____ tens and ____ ones

2.

$12 - 4 =$



____ tens and ____ ones

3.

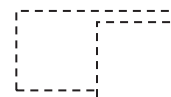
$15 - 6 =$



____ tens and ____ ones

4.

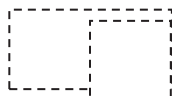
$14 + 5 =$



____ tens and ____ ones

5.

$13 + 5 =$



____ tens and ____ ones

6.

$17 - 8 =$



____ tens and ____ ones

Read the word problem. Draw and label. Write a number sentence and statement that matches the story. Rewrite your answer to show its tens and ones. If there is only 1 ten, cross off the "s."

7. Mike has some red cars and 8 blue cars. If Mike has 9 red cars, how many cars does he have in all?

_____ tens and _____ ones

8. Yani and Han had 14 golf balls. They lost some balls. They had 8 golf balls left. How many balls did they lose?

_____ tens and _____ ones

9. Nick rides his bike for 6 miles over the weekend. He rides 14 miles during the week. How many total miles does Nick ride?

_____ tens and _____ ones

Name _____

Date _____

Solve the problems. Write your answers to show how many **tens** and **ones**.

$9 + 3 =$

1

2

$9 + 1 = 10$

$10 + 2 = 12$

1. $9 + 7 =$

--	--

_____ + _____ = _____

_____ + _____ = _____

2. $8 + 5 =$

--	--

_____ + _____ = _____

_____ + _____ = _____

Solve. Write the two number sentences for each step to show how you make a **ten**.

3. Boris has 9 board games on his shelf and 8 board games in his closet. How many board games does Boris have altogether?

9	+	8	=
---	---	---	---

_____ + _____ = _____

_____ + _____ = _____

4. Sabra built a tower with 8 blocks. Yuri put together another tower with 7 blocks. How many blocks did they use?

--

5. Camden solved 6 addition word problems. She also solved 9 subtraction word problems. How many word problems did she solve altogether?

-
6. Minna made 4 bracelets and 8 necklaces with her beads. How many pieces of jewelry did Minna make?

-
7. I put 5 peaches into my bag at the farmer's market. If I already had 7 apples in my bag, how many pieces of fruit did I have in all?

Name _____

Date _____

Solve the problems. Write your answers to show how many **tens** and **ones**.

1	2	- 5 = 7
10 - 5 = 5		
5 + 2 = 7		

1.

1	7
---	---

 - 8 = _____

_____ - _____ = _____

_____ + _____ = _____

2.

1	6
---	---

 - 7 = _____

_____ - _____ = _____

_____ + _____ = _____

Solve. Write the two number sentences for each step to show how you take from **ten**. Remember to put a box around your solution and write a statement.

3. Yvette counted 12 kids at the park. She counted 3 on the playground and the rest playing in the sand. How many kids did she count playing in the sand?

12	- 3	= _____
----	-----	---------

_____ - _____ = _____

_____ + _____ = _____

4. Eli read some science magazines. Then, he read 9 sports magazines. If he read 18 magazines altogether, how many science magazines did Eli read?

--

_____ - _____ = _____

_____ + _____ = _____

5. On Monday, Paulina checked out 6 whale books and some turtle books from the library. If she checked out 13 books in all, how many turtle books did Paulina check out?

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

6. Some children are at the park playing soccer. Seven are wearing white shirts. If there are 14 children playing soccer in all, how many children are not wearing white shirts?

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

7. Dante has 9 stuffed animals in his room. The rest of his stuffed animals are in the TV room. Dante has 15 stuffed animals. How many of Dante's stuffed animals are in the TV room?

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$









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