

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

Mary's work

$13 = 7 + 6$

Joe's work

$10 + 3 = 13$

Lori's work

$7 + 6 = 13$

$7 + 6 = 13$

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

Mike's work

$10 + 7 = 17$

Len's work

$17 = 9 + 8$

Frank's work

$18 = 9 + 8$

$9 + 8 = 17$

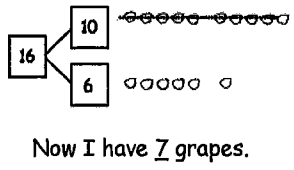
$9 + 8 = 17$

Name Answer Key

Date Mod. 2

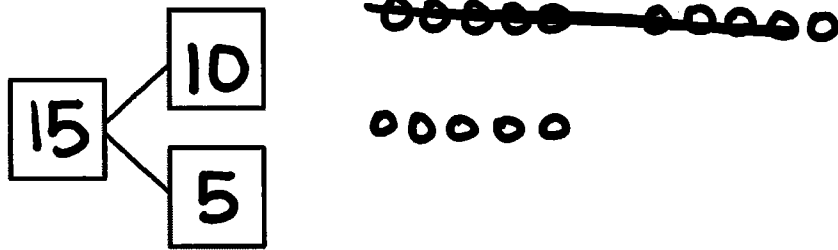
Make a simple math drawing. Cross out from the 10 ones to show what happens in the stories.

I had 16 grapes.
I ate 9 grapes.
How many grapes do I have now?



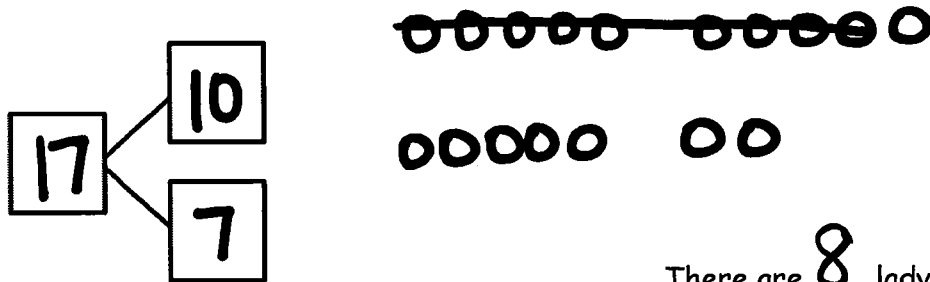
Now I have 7 grapes.

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?



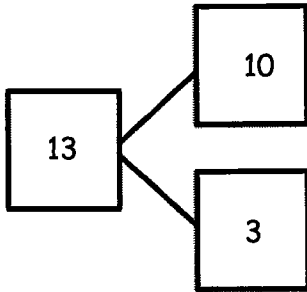
There were 6 squirrels left by the tree.

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 8 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.



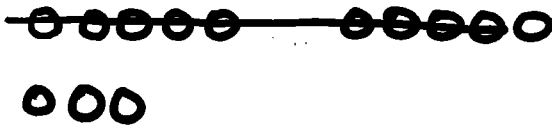
There were 13 ants in the ant hill.

10 of the ants were sleeping, and 3 more fell asleep, so that all the ants were sleeping.

9 of the sleeping ants woke up.

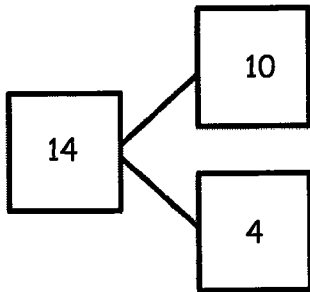
How many of the ants are still sleeping?

Math drawing:

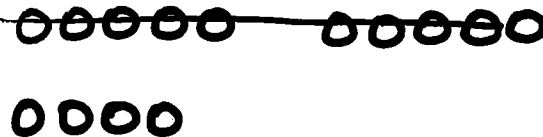


There are 4 ants still sleeping.

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:

$$14 - 9 = 5$$

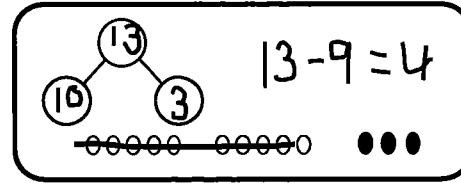
Statement:

There are 5 left.

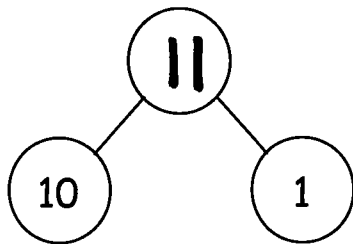
Name Answer Key

Date Mod. 2

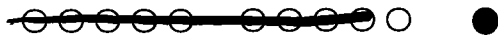
Solve. Use 5-group rows and cross out to show your work. Write number sentences.



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?

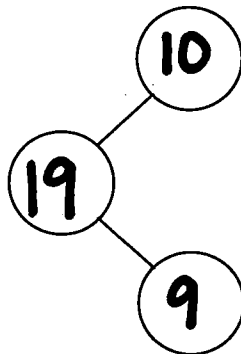


$$11 - 9 = 2$$



There are 2 dogs left in the park.

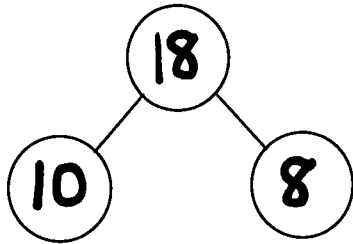
2. Alejandro had 9 rocks in his yard and 10 rocks in his room. 9 of the rocks in his room are gray rocks and the rest of the rocks are white. How many white rocks does Alejandro have?



$$19 - 9 = 10$$

Alejandro has 10 white rocks.

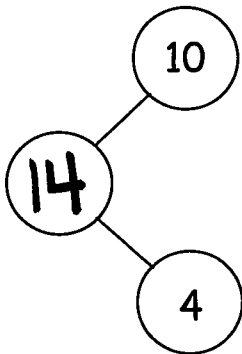
3. Sophia has 8 toy cars in the kitchen and 10 toy cars in her bedroom. 9 of the toy cars in the bedroom are blue. The rest of her cars are red. How many red cars does Sophia have?



$$18 - 9 = 9$$

Sophia has 9 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.



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$$14 - 9 = 5$$

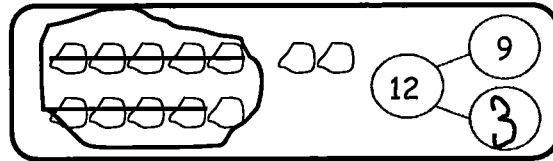
There were 10 birds splashing in a puddle and 4 birds walking on the dry grass. 9 of the splashing birds flew away. How many birds are left?

There are 5 birds left.

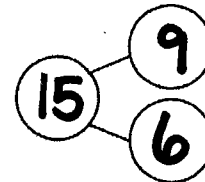
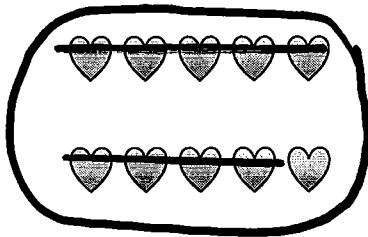
Name Answer Key

Date Mod. 2

Circle 10 and subtract. Make a number bond.

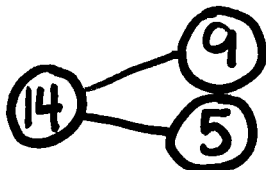
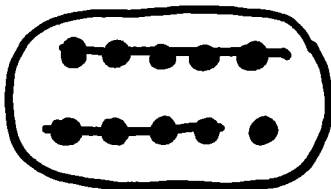


1. $15 - 9 = \underline{6}$

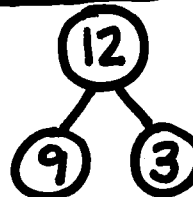
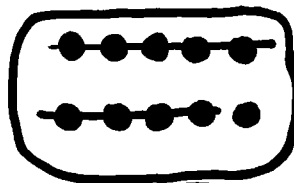


Draw and circle 10. Subtract and make a number bond.

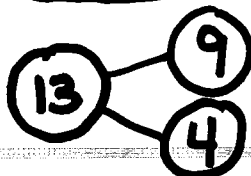
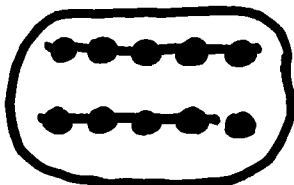
2. $14 - 9 = \underline{5}$



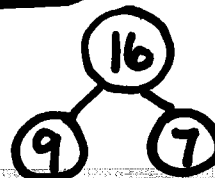
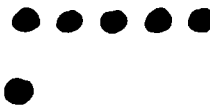
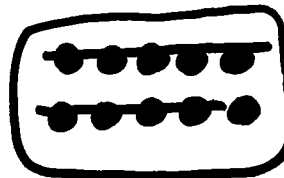
3. $12 - 9 = \underline{3}$



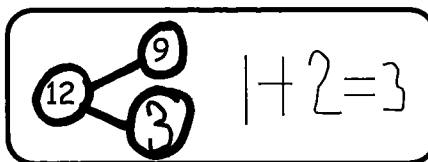
4. $13 - 9 = \underline{4}$



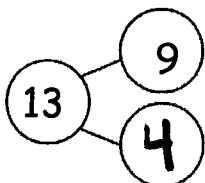
5. $16 - 9 = \underline{7}$



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

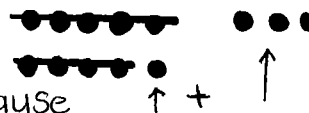


a.

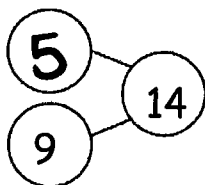


$1 + 3 = 4$

because



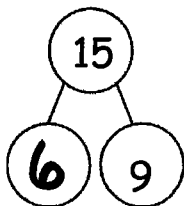
b.



$1 + 4 = 5$



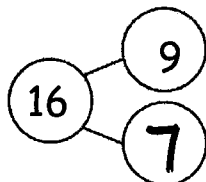
c.



$1 + 5 = 6$



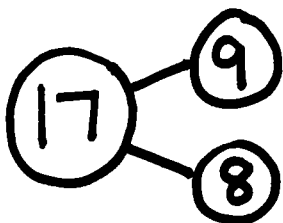
d.



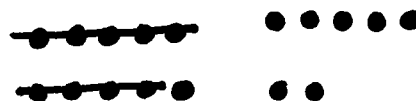
$1 + 6 = 7$



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



$1 + 7 = 8$

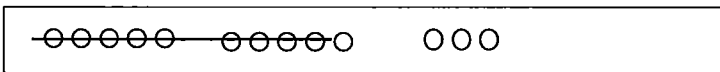


Name Answer Key

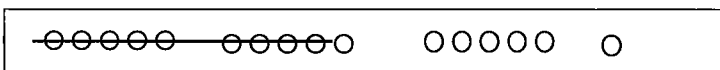
Date Module 2

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

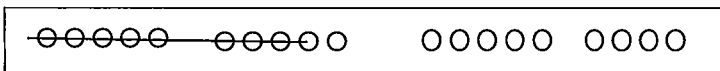
1.



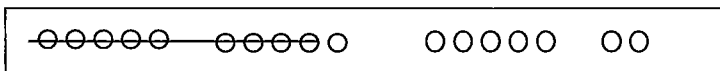
$$\underline{13 - 9 = 4}$$



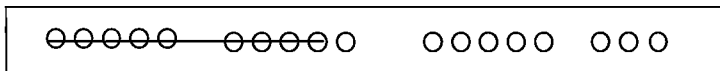
$$\underline{16 - 9 = 7}$$



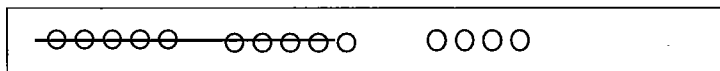
$$\underline{19 - 9 = 10}$$



$$\underline{17 - 9 = 8}$$



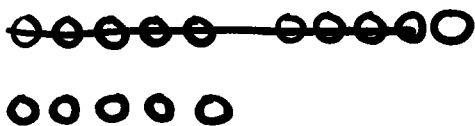
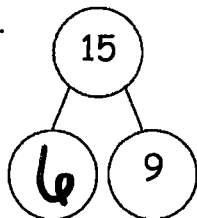
$$\underline{18 - 9 = 9}$$



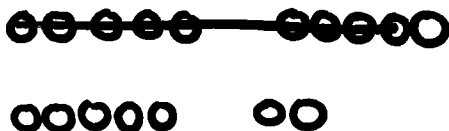
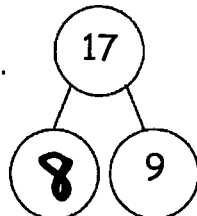
$$\underline{14 - 9 = 5}$$

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

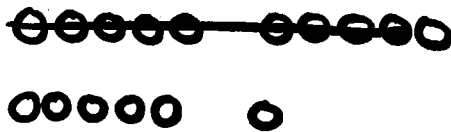
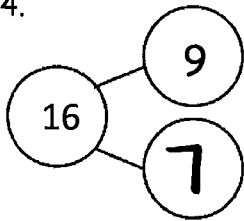
2.



3.

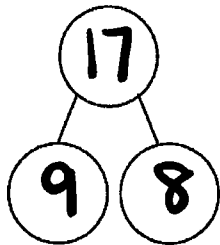
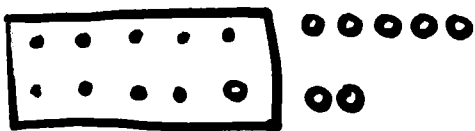


4.



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.

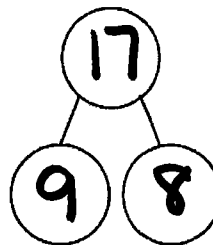
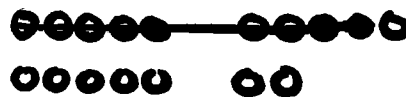
5. $8 + 9 = \underline{17}$



$$\underline{9 + 8 = 17}$$

$$\underline{8 + 9 = 17}$$

6. $17 - 9 = \underline{8}$



$$\underline{17 - 9 = 8}$$


$$\underline{17 - 8 = 9}$$

Name Answer Key

Date Mod. 2

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

1. $17 - 9 = \underline{8}$ ex: $10 - 9 = 1$
 $1 + 7 = 8$



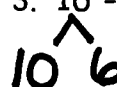
000000 00

- take from ten
 count on

2. $12 - 9 = \underline{3}$ ex: $9 \rightarrow 10 \ 11 \ 12$
 $9 + 3 = 12$

- take from ten
 count on

3. $16 - 9 = \underline{7}$ 1) $10 - 9 = 1$
 2) $1 + 6 = 7$



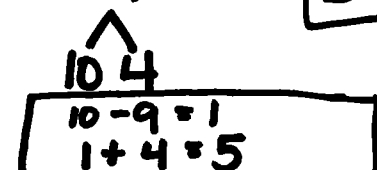
- take from ten
 count on

4. $11 - 9 = \underline{2}$ ex: $9 \rightarrow 10 \ 11$
 $9 + 2 = 11$

- 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.

take from ten: $14 - 9 = \boxed{5}$



$10 - 9 = 1$
 $1 + 4 = 5$

I chose this strategy:

take from ten
 count on

count on: $9 \rightarrow 10 \ 11 \ 12 \ 13 \ 14$ so $14 - 9 = 5$

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.

take from 10: $17 - 9 = 8$

$10 - 9 = 1$
 $1 + 7 = 8$

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 - count on

$9 + 3 = 12$
 $12 - 9 = 3$

Lisa - $18 - 9 = 9$

$18 - 9$

$10 \quad 8$

$10 - 9 = 1$
 $1 + 8 = 9$

Paul has 3 marbles left.

Lisa has 9 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.

$15 - 9$

$13 - 9$

$17 - 9$

$18 - 9$

$19 - 9$

$12 - 9$

$11 - 9$

$14 - 9$

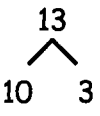

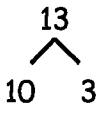

$16 - 9$

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 Answer Key

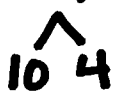
Date Mod. 2

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

a. $13 - 7 = \underline{6}$		$10 - 7 = 3$ $3 + 3 = 6$
b. $16 - 8 = \underline{8}$		
c. $11 - 8 = \underline{3}$		$10 - 8 = 2$ $2 + 3 = 5$
d. $13 - 8 = \underline{5}$		

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


 $14 - 8 = 6$

or $14 - 8$ $10 - 8 = 2$
 $2 + 4 = 6$

Circle 10. Then subtract.

$14 - 8 = \underline{6}$

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



Milo has 9 rocks left.

$17 - 8 = 9$

Draw and circle 10. Then, subtract.

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

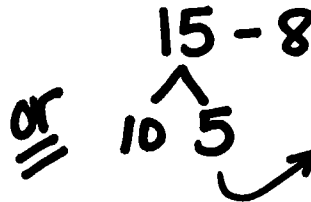


$$12 - 8 = 4$$

Lucy has \$ 4 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?



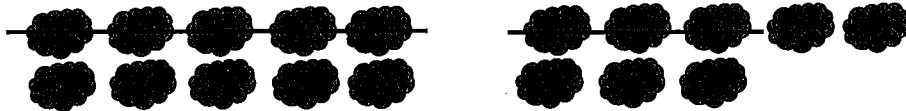
$$10 - 8 = 2$$

$$2 + 5 = 7$$

$$15 - 8 = 7$$

Sean keeps 7 dinosaurs.

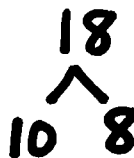
6. Use the picture to fill in the math story. Show a number sentence.



Olivia saw 18 clouds in the sky.
8 clouds went away. How many clouds are left?

$$18 - 8 = 10$$

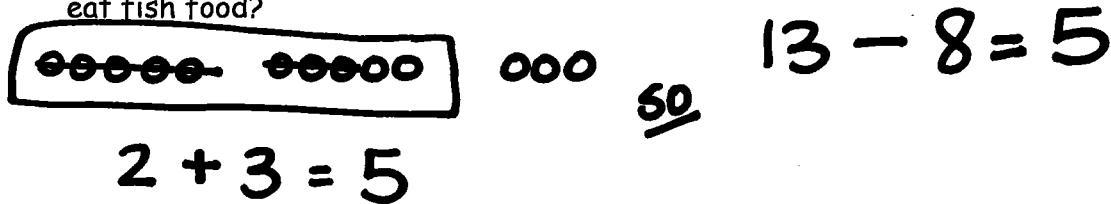
Try it! Can you show how to solve this problem with a number bond?



Name Answer KeyDate Mod. 2

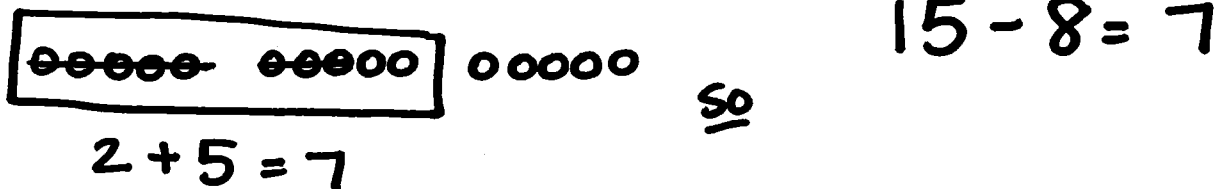
Draw 5-group rows and cross out to solve. Write the 2+ addition sentence that helped you add the two parts.

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



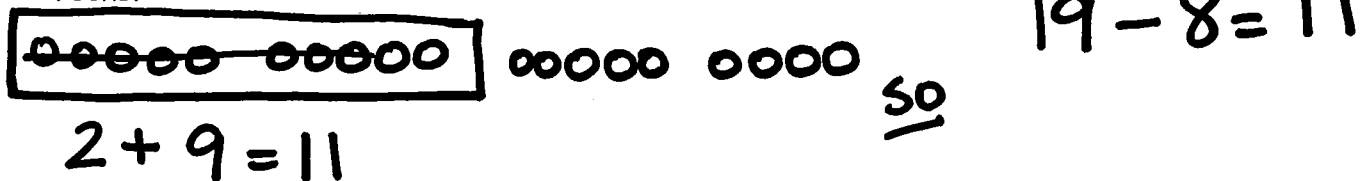
5 goldfish did not eat fish food.

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 7 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 11 turtles on the dry rocks.

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

4. $7 + 8 = \underline{15}$

5. $15 - 8 = \underline{7}$

Find the missing number by drawing 5-group rows.

6. $11 - 9 = \underline{2}$

7. $14 - 9 = \underline{5}$

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?

$14 - 8 = 6$

or

$14 - 8$
 $10 \quad \wedge \quad 4$

$10 - 8 = 2$

$2 + 4 = 6$

$14 - 8 = 6$

6 people stayed at home.

Name Answer KeyDate Mod. 2

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



1. a. $12 - 8 = \underline{4}$

b. $8 + \underline{4} = 12$

$$\begin{array}{r} 10 \quad 2 \\ \wedge \\ 10 - 8 = 2 \quad 2 + 2 = 4 \end{array}$$

2. a. $15 - 8 = \underline{7}$

b. $8 + \underline{7} = 15$

$$\begin{array}{r} 10 \quad 5 \\ \wedge \\ 10 - 8 = 2 \quad 2 + 5 = 7 \end{array}$$

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

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

count on: 8 9, 10, 11

or $\begin{array}{r} 11 \\ \wedge \\ 10 \quad 1 \end{array}$

$10 - 8 = 2$

$2 + 1 = 3$

$11 - 8 = \boxed{3}$

4. $17 - 8 = \underline{9}$

count on: 8 9, 10, 11, 12, 13,
14, 15, 16, 17

or $\begin{array}{r} 17 - 8 \\ \wedge \\ 10 \quad 7 \end{array}$

$10 - 8 = 2$

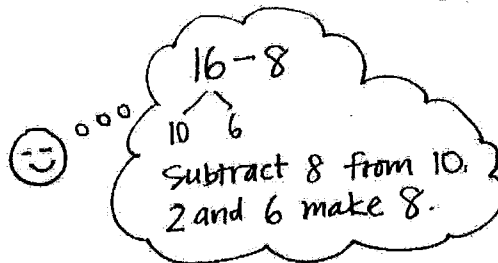
$2 + 7 = 9$

$17 - 8 = \boxed{9}$

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?

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



Elise still saw 8 worms on the pavement.

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

$$\begin{array}{r} 13 - 8 \\ \overset{10}{} \\ \end{array}$$

$$\begin{array}{l} 10 - 8 = 2 \\ 2 + 3 = 5 \end{array}$$

John has 5 orange slices left.

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

- a. $12 - 8 = \underline{4}$
- b. $15 - 8 = \underline{7}$
- c. $18 - 8 = \underline{10}$
- d. $11 - 8 = \underline{3}$

$8 + \underline{3} = 11$
$8 + \underline{10} = 18$
$8 + \underline{4} = 12$
$8 + \underline{7} = 15$

Name Answer KeyDate Mod. 2

Complete the number sentences to make them true.

1. $15 - 9 = \underline{6}$

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 5 \end{array}$$
~~○○○○○ ○○○○○ ○○○○○~~

2. $15 - 8 = \underline{7}$

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 5 \end{array}$$
~~||||| ||||| |||||~~

3. $15 - 7 = \underline{8}$

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 5 \end{array}$$
~~||||| ||||| |||||~~

4. $17 - 9 = \underline{8}$

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 7 \end{array}$$

5. $17 - 8 = \underline{9}$

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 7 \end{array}$$

6. $17 - 7 = \underline{10}$

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 7 \end{array}$$

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

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 6 \end{array}$$

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

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 6 \end{array}$$

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

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 6 \end{array}$$

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

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 9 \end{array}$$

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

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 9 \end{array}$$

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

$$\begin{array}{r} 10 \\ \wedge \\ 10 \ 9 \end{array}$$

13. Match equal expressions.

a. $19 - 9$ ~~_____~~ $12 - 7$

b. $13 - 8$ ~~_____~~ $18 - 8$

