

Name Answer Key

Date Mod. 2

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 work **Incorrect**

$13 - 6 = 4$
 $\overset{\wedge}{10} \ 3$

Jake's work

$6 + ? = 13$
 $4 + 3 = 7$

a. Strategy: Take from 10

$13 - 6 = 7$
 $\overset{\wedge}{10} \ 3$

b. Strategy: Make a 10

$6 + 7 = 13$

c. Explain your strategy choice below.

Take from 10

Count on

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

Olivia's work

$17 - 8 = 9$

a. Strategy: Take from 10

$17 - 8 = 9$
 \wedge
 $10 \ 7$ $10 - 8 = 2$
 $2 + 7 = 9$

Jake's work

Incorrect

$17 + 8 = 25$

b. Strategy: Take from 10

$17 - 8 = 9$
 \wedge
 $10 \ 7$ $2 + 7 = 9$
~~OOOOO OOOO~~
 OOOO OO

c. Explain your strategy choice below.
Take from 10.

Take from 10.

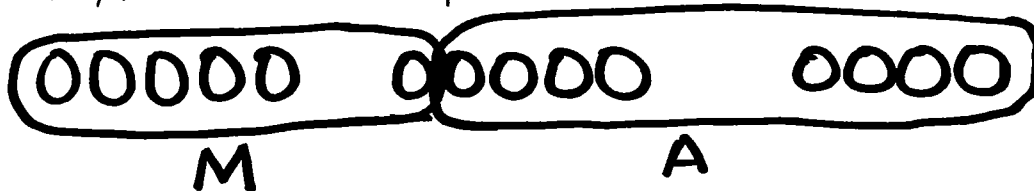
Name Answer KeyDate Mod. 2Read the word problem.Draw and label.Write a number sentence and a statement that matches the story.

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?



$$6 + \boxed{8} = 14$$

Anastasia picked
8 flowers.

2. Daquan bought 6 toy cars. He also bought some magazines. He bought 15 items in all. How many magazines did Daquan buy?



$$6 + \boxed{9} = 15$$

Daquan
bought 9
magazines.

3. Henry and Millie baked 18 cookies. Nine of the cookies were chocolate chip. The rest were oatmeal. How many were oatmeal?



$$9 + \boxed{9} = 18$$

9 of the
cookies
were oat-
meal.

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?



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

9 of the invitations were 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?



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

Miguel wins 8 games.

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?



$$9 + \boxed{7} = 16$$

7 of the practices were on the weekend.

Name Answer Key Date Mod. 2

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?



$$9 + \boxed{5} = 14 \quad \text{or} \quad 14 - 9 = \boxed{5}$$

Micah collected 5 pinecones on Saturday.

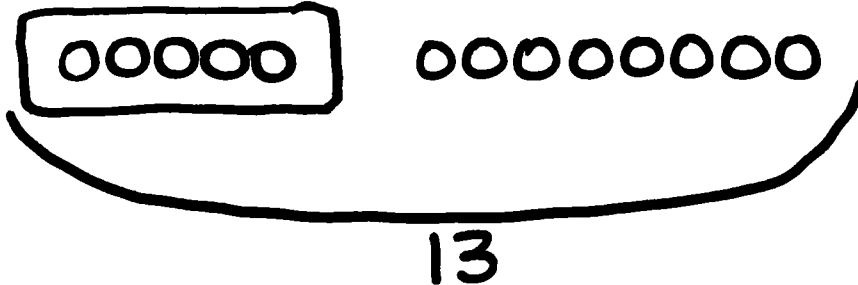
2. Giana bought 8 star stickers to add to her collection. Now, she has 17 stickers in all. How many stickers did Giana have at first?



$$\boxed{9} + 8 = 17 \quad \text{or} \quad 17 - 8 = \boxed{9}$$

Giana had 9 stickers at first.

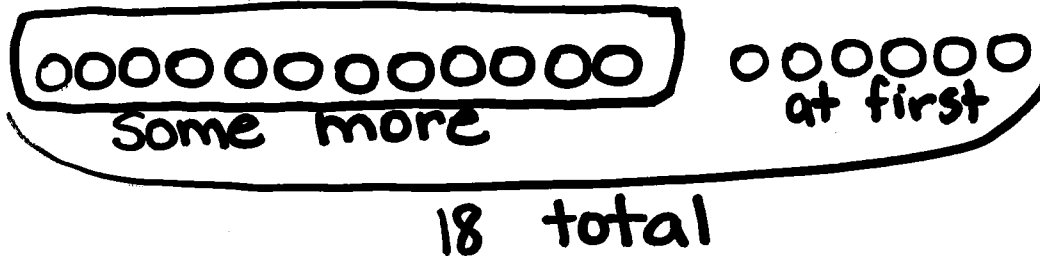
3. Samil counted 5 pigeons on the street. Some more pigeons came. There were 13 pigeons in all. How many pigeons came?



$$5 + \boxed{8} = 13 \quad \text{or} \quad 13 - 5 = \boxed{8}$$

8 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?



$$\boxed{6} + 12 = 18 \quad \text{or} \quad 18 - 12 = \boxed{6}$$

Claire had 6 eggs at first.

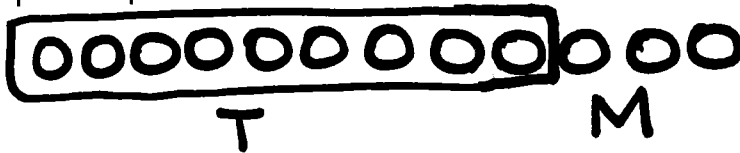
Name Answer KeyDate Mod. 2

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?



$$12 - 9 = \boxed{3} \quad \text{or} \quad 9 + \boxed{3} = 12$$

Marnie picked up 3 crayons.

2. Of the students on the playground, 7 went back into the classroom. If 11 students stayed outside, how many were on the playground at first?



$$11 - 7 = \boxed{4} \quad \text{or} \quad 7 + \boxed{4} = 11$$

4 students were on the playground at first.

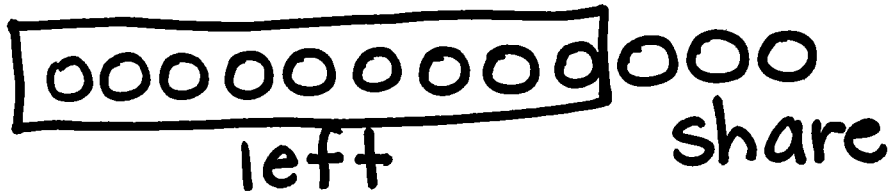
3. At the play, 8 students from Mr. Frank's room got a seat. If there were 17 children from Room 24, how many children did not get a seat?



$$8 + \boxed{9} = 17 \quad \text{or} \quad 17 - 8 = \boxed{9}$$

9 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?



$$9 + \boxed{3} = 12 \quad 12 - 9 = \boxed{3}$$

Simone shared 3 bagels.

Name Answer KeyDate Mod. 2

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.

Lola is correct.

Lola

$8 + 4 = 12$

$10 + 2 = 12$

Charlie

$9 + 3 = 12$

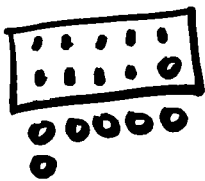
$10 + 2 = 12$

- 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.

Charlie is wrong.

$$\begin{array}{r} 11 - 4 = 7 \\ \wedge \\ 10 \quad 1 \end{array} \quad \begin{array}{r} 6 + 1 = 7 \\ 6 + 1 = 7 \\ 7 = 7 \end{array}$$

- 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.



$$\begin{array}{r} 9 + 7 = \\ \wedge \\ 1 \quad 6 \\ 10 + 6 = 16 \end{array} \quad \begin{array}{r} 15 - 8 = \\ \wedge \\ 10 \quad 5 \\ 16 \neq 7 \end{array} \quad \begin{array}{r} 10 - 8 = 2 \\ 2 + 5 = 7 \end{array}$$

Charlie is right.



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. $10 + 5 = 9 + 5$ $10 + 5 = 9 + 6$

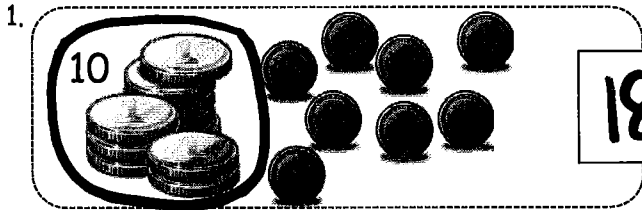
b. $10 + 3 = 8 + 4$ $10 + 2 = 8 + 4$

c. $9 + 3 = 8 + 5$ $9 + 3 = 8 + 4$

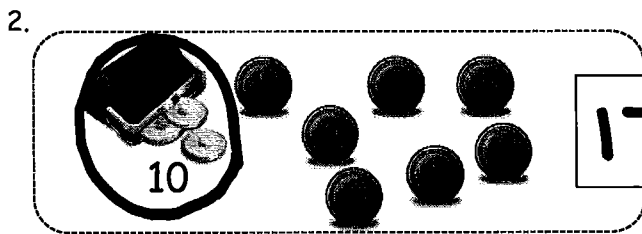
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Circle ten. Write the number. How many tens and ones?

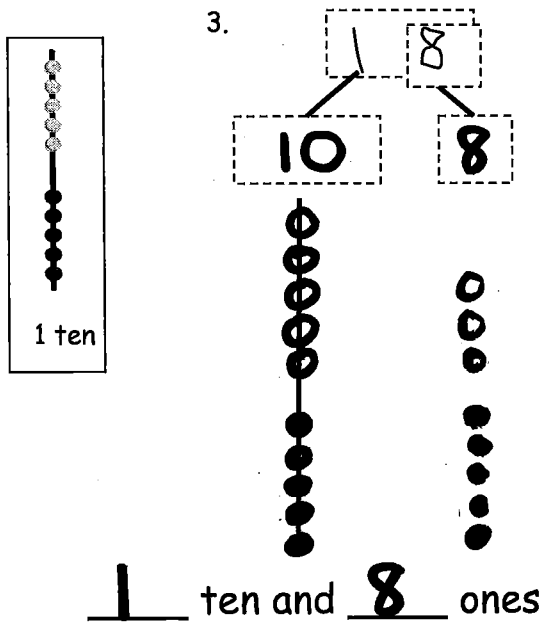


is the same as 1 ten and 8 ones.

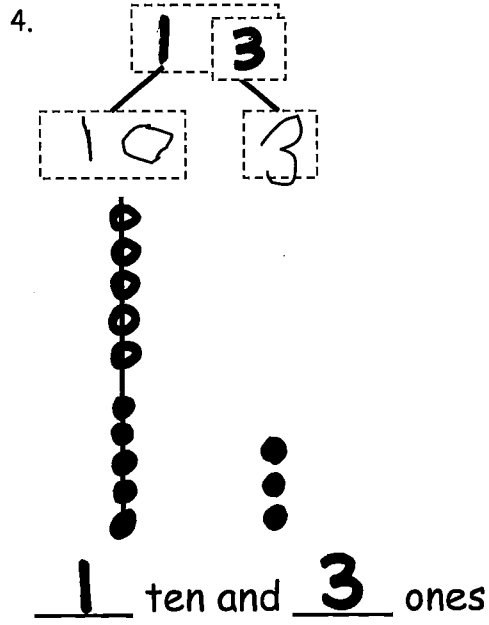


is the same as 1 ones and 7 ten.

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

3. 

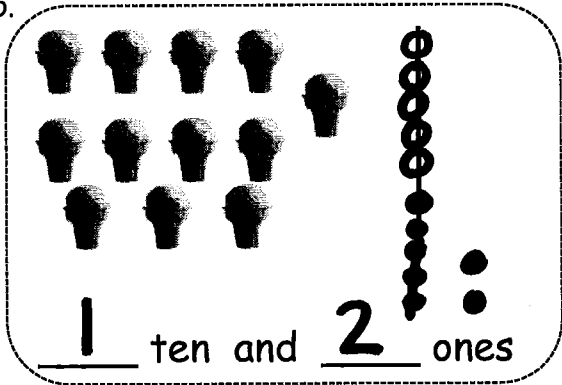
1 ten and 8 ones

4. 

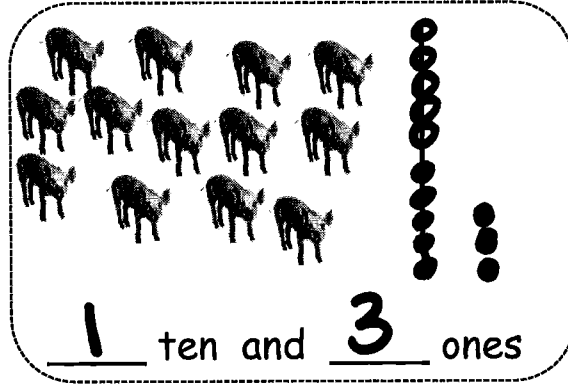
1 ten and 3 ones

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

5.



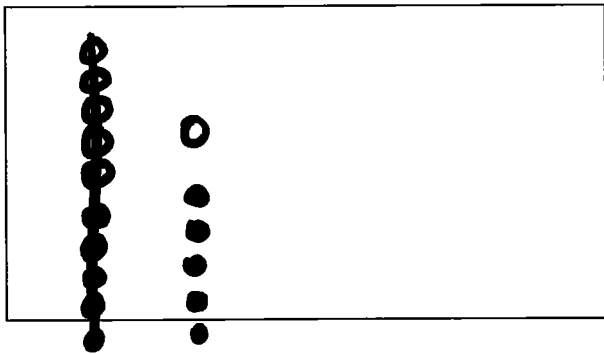
6.



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

7.

16

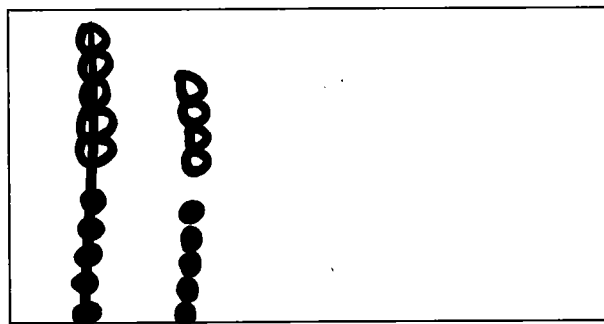


16 is the same as

1 ten and 6 ones.

8.

19



19 is the same as

1 ones and 9 ten.

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

1.

$8 + 5 =$

1 31 tens and 3 ones

2.

$12 - 4 =$

0 80 tens and 8 ones

3.

$15 - 6 =$

0 90 tens and 9 ones

4.

$14 + 5 =$

1 91 tens and 9 ones

5.

$13 + 5 =$

1 81 tens and 8 ones

6.

$17 - 8 =$

0 90 tens and 9 ones

Answer Key Module 2

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.

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

$$8 + 9 = 17$$

Blue Cars + Red Cars = Total Cars

1 tens and 7 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?

$$14 - 8 = 6$$

Total - how many were left = Lost Balls

0 tens and 6 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?

$$6 + 14 = 20$$

Weekend miles + Week miles = total miles

2 tens and 0 ones

Name Answer KeyDate Mod. 2

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

$$9 + 3 = \boxed{1} \boxed{2}$$

$$\underline{9 + 1 = 10}$$

$$\underline{10 + 2 = 12}$$

1. $9 + 7 = \boxed{1} \boxed{6}$

$$\underline{9 + 1 = 10}$$

$$\underline{10 + 6 = 16}$$

2. $8 + 5 = \boxed{1} \boxed{3}$

$$\underline{8 + 2 = 10}$$

$$\underline{10 + 3 = 13}$$

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?

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

$$\underline{9 + 1 = 10}$$

$$\underline{10 + 7 = 17}$$

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

$$\boxed{8 + 7 = 15}$$

$$8 + 2 = 10$$

$$10 + 5 = 15$$

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

$$6 + 9 = 15$$

$$9 + 1 = 10$$

$$10 + 5 = 15$$

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

$$4 + 8 = 12$$

$$8 + 2 = 10$$

$$10 + 2 = 12$$

-
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?

$$5 + 7 = 12$$

$$7 + 3 = 10$$

$$10 + 2 = 12$$

Name Answer KeyDate Module 2

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
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 - 8 = 9

$$\underline{10} - \underline{8} = \underline{2}$$

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

2.

1	6
---	---

 - 7 = 9

$$\underline{10} - \underline{7} = \underline{3}$$

$$\underline{3} + \underline{6} = \underline{9}$$

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?

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

$$\underline{10} - \underline{3} = \underline{7}$$

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

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?

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

$$\underline{10} - \underline{9} = \underline{1}$$

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

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?

$$13 - 6 = 7$$

$$\underline{10} - \underline{6} = \underline{4}$$

$$\underline{4} + \underline{3} = \underline{7}$$

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?

$$14 - 7 = 7$$

$$\underline{10} - \underline{7} = \underline{3}$$

$$\underline{3} + \underline{4} = \underline{7}$$

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?

$$15 - 9 = 6$$

$$\underline{10} - \underline{9} = \underline{1}$$

$$\underline{1} + \underline{5} = \underline{6}$$