

Name Answer Key

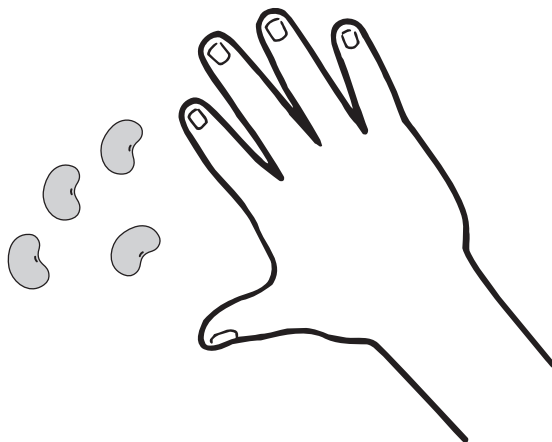
I

Susan is covering 5 beans with her hand.

Look at the number of beans left.

How many beans are there in all?

Explain your answer.



ANSWER: 9

COMMENTS & EXTENSIONS: Ask students to draw the hidden counters and explain their answer. Then pose a parallel question and see if they can visualize the answer without drawing.

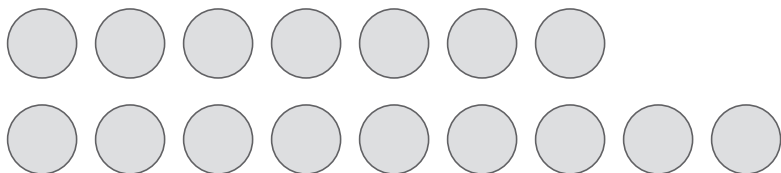


Make up your own problem like Susan's. Exchange the problem with a partner.

Try This

7 swimmers are in the lake. 9 more join them.

How many swimmers are in the lake now?



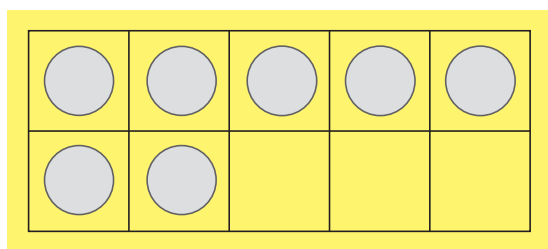
Write the sentence and solve.

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

16 swimmers are now in the lake

- I. Draw a model. Complete the sentence and solve.

Mrs. Lee has 3 pencils. Jake gives her more pencils. Mrs. Lee now has 10 pencils. How many pencils did Jake give Mrs. Lee?



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

Jake gave Mrs. Lee 7 pencils.

2. Paige has 14 pens. She gives away 6 pens to her friends. How many pens does Paige have left?

Check children's drawings.

$$14 - 6 = \underline{8}$$

8 pens

3. There are 12 oranges in a bag. Some oranges are taken out of the bag. There are now 9 oranges in the bag.

How many were taken out of the bag?

Draw a picture to show how you can solve.

Check children's drawings.

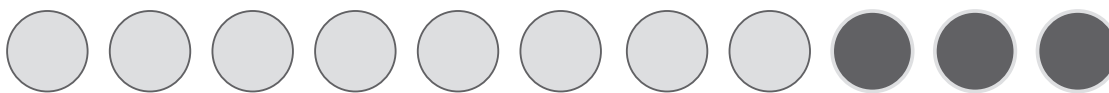
$$12 - \underline{3} = 9$$

3 oranges were taken out of the bag

1. Alana has 8 stickers.

Raul gives her 3 more. How many stickers
does Alana have now?

Use counters to build the model and solve
the problem.



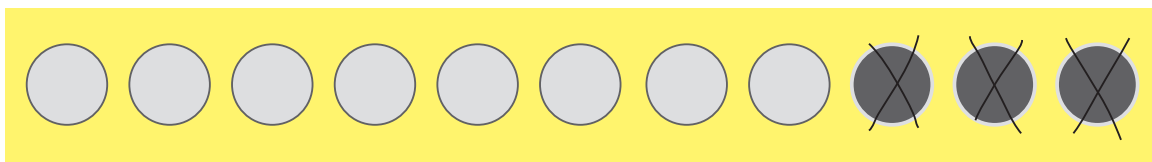
Count all the counters to find how many
total stickers.

Complete: $8 + 3 =$ 11

11 stickers

2. Alana has 11 stickers. She gives away 3.
How many stickers does Alana have left?

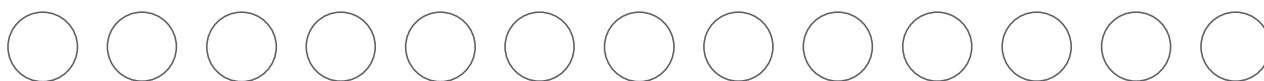
Cross out all the stickers Alana gave away.



Complete: $11 - 3 =$ 8

3. Leah counts out 7 counters. She takes a handful of more counters. Leah now has 13 counters. How many counters were in the handful?

Model this problem. Then color the circles to show how to solve.



Check children's work.

Complete: $7 + \underline{6} = 13$

4. There are 13 counters on the desk. Adam took some. Now there are 7 counters on the desk. How many did Adam take?

Draw to show how you solved.

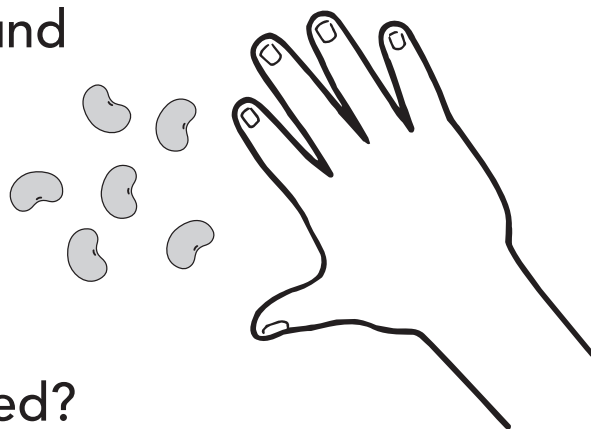
Check children's drawings.

Complete: $13 - \underline{6} = 7$

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Mike started with 9 beans and then covered some.



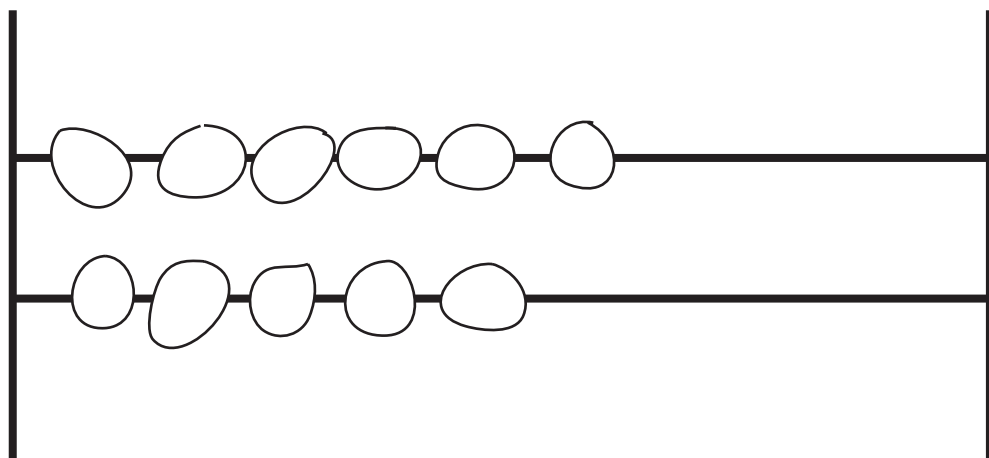
How many beans are covered?

ANSWER: 3 beans

COMMENTS & EXTENSIONS: Teachers can learn a lot about students' thinking by asking them to think out loud. How will students solve this one? Will they subtract 6 from 9 or start at 6 and count up to 9?

Try This

- There are 6 red napkins and 5 yellow napkins on the table. How many napkins are on the table?
- Use the rekenrek to build a model.



$$6 + 5 = \underline{11}$$

Use the Rekenrek. Draw your model and complete the sentence.

- There are 7 plates and 8 glasses on the table.
How many dishes are on the table in all?

Check children's drawings.

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

2. Cindy has 14 seashells. How many can she put in a drawer and how many can she put on her desk?

Check children's drawings.

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

3. 13 blocks are in the play area. 6 are yellow and the rest are red. How many blocks are red?

Check children's drawings.

Complete the equation: $6 + \underline{7} = 13$

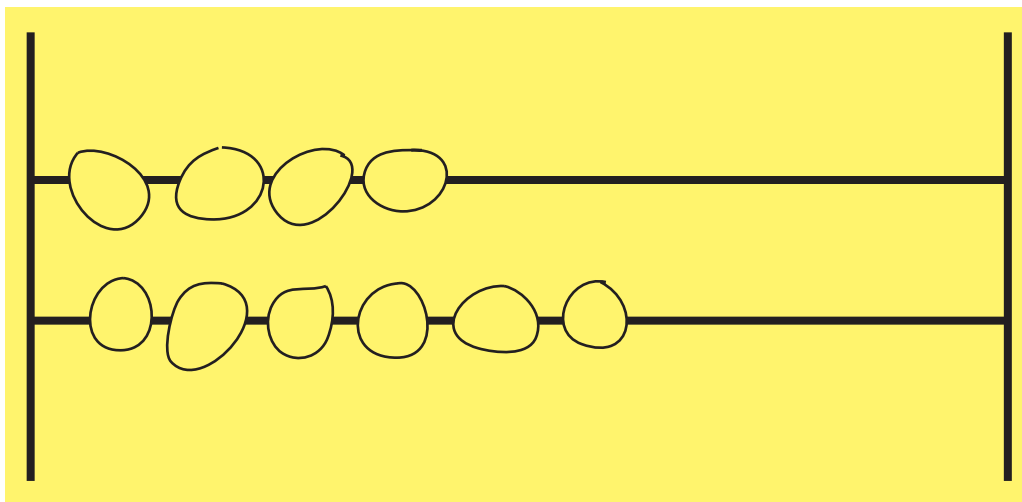
4. There 18 fish in the fish tank. Some are orange and 9 are black. How many fish are orange?

Check children's drawings.

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

Use the Rekenrek to model. Solve.

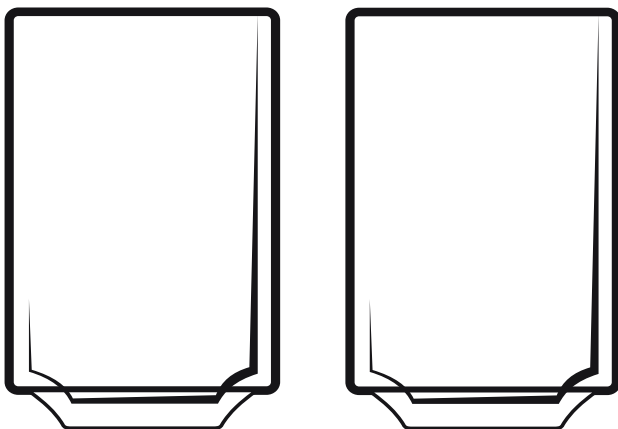
1. There are 4 oranges and 6 bananas in the basket. How many pieces of fruit are in the basket?



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

Draw a picture to solve.

2. Carmine has 11 ice cubes. How many could he put in each cup?



Answers will vary.

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

3. Ben buys 14 juice boxes. 8 are orange juice and the rest are grape juice. How many are grape juice?



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

Solve.

4. There are 15 people in the room. 9 are teachers and the rest are students. How many are students?

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

3

Give me a number that is

- a. greater than 4 and less than 10.
- b. greater than 10 and smaller than 15.
- c. greater than 4 and smaller than 6.

ANSWER: a. Sample: 6; b. Sample: 14; c. Sample: 5

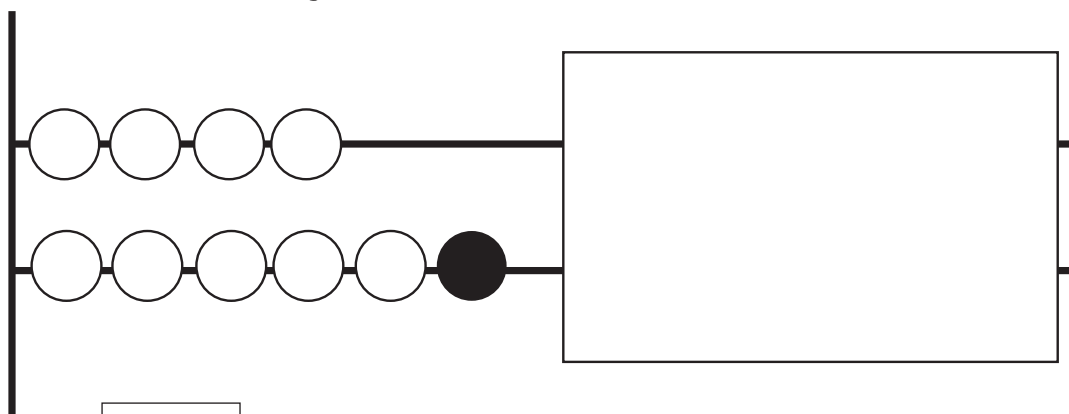
COMMENTS & EXTENSIONS: Here, again, are problems requiring students to keep in mind several things at once.



Draw a number line to show the numbers that work for each of the three activities.

Try This

Anthony has 4 marbles. Peter has 6 marbles.
How many more marbles does Peter have
than Anthony?



$$4 + \boxed{} = 6$$

$$4 + 2 = 6$$

Peter has 2 more marbles than Anthony.

Use the Rekenrek to model the problem.

1. Greg has 7 bagels. Eugene has 13 bagels.
How many more bagels does Eugene have
than Greg?

$$7 + \underline{\text{6}} = 13$$

Eugene has 6 more bagels than Greg.

2. Lou has 6 pieces of chalk. Kenny has 14 pieces of chalk. How many fewer pieces of chalk does Lou have than Kenny?

$$14 - 6 = \underline{8}$$

Lou has 8 fewer pieces of chalk than Kenny has.

3. Jasmine has 7 more cards than Cara. Cara has 9 cards. How many cards does Jasmine have?

Make a drawing to model the problem.

Answers will vary.

Jasmine has 16 cards.

4. Mathew has 5 fewer points than Farley. Farley has 12 points. How many points does Mathew have?

Make a drawing to model the problem.

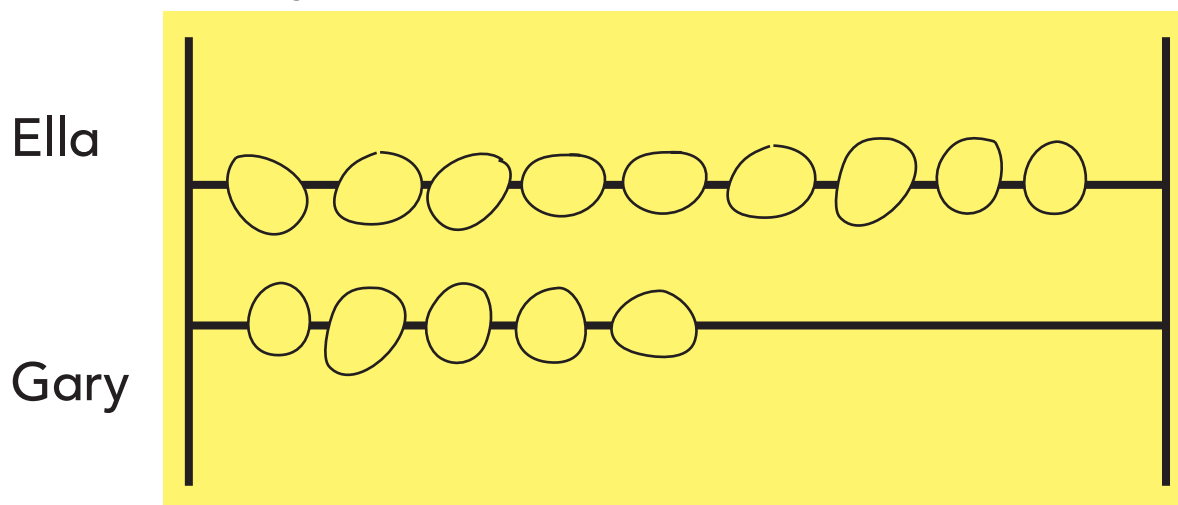
Answers will vary.

$$12 - 5 = \underline{7}$$

Mathew has 7 points.

Use the Rekenrek to model and solve the problems.

1. Gary has 5 crackers. Ella has 9 crackers.
How many more crackers does Ella have than Gary?



How many more crackers does Ellen have than Gary? 4

2. Gary has 5 crackers. Ella has 9 crackers.
How many fewer crackers does Gary have than Ella?

How many fewer crackers does Gary have than Ella? 4

3. Jake has 4 more pennies than Fran. Fran has 7 pennies. How many pennies does Jake have?

Fran 

Jake has 4 more.

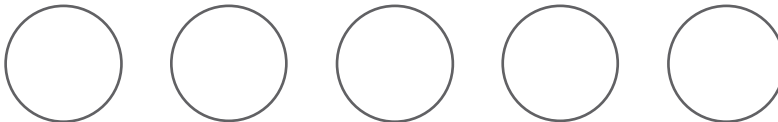
Make a drawing that shows 4 more.



$$4 + 7 = \underline{11}$$

Solve. How many pennies does Jake have? 11

4. Jasper has 2 fewer mangoes than Armando. Jasper has 5 mangoes. How many mangoes does Armando have?

Jasper 

5 is 2 less than what number? 7

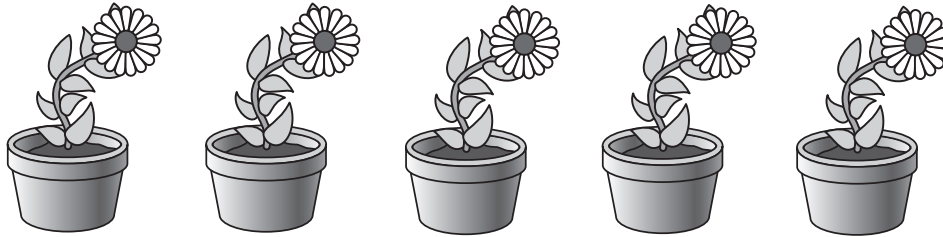
Add to solve.

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

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Here are some flowers.

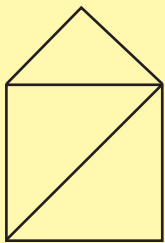


Suppose you were writing to a friend.

Tell 3 ways to describe to a friend how many flowers are in this picture.


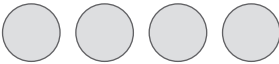

ANSWER: Sample: There are 5 flowers. There is a flower for every finger on a hand. There is a flower for every penny in a nickel.

COMMENTS & EXTENSIONS: Here's a geometric version of this activity. Tell three ways to communicate this figure.



Try This

Isiah has 3 red crayons, 4 green crayons, and 1 orange crayon. How many crayons does Isiah have in all?

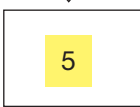

3		
4		3 + 4 is 7
+ 1		7 + 1 is 8
<hr/>		
8		

Isiah has 8 crayons in all.

1. Mia puts 3 pants in her gym bag. She also puts in 2 t-shirts and 1 sweatshirt. How many pieces of clothing did Mia put in her bag in all?

Complete.

$$3 + 2 + 1 =$$

	+ 1 =	
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How many pieces of clothing did Mia put in her bag in all? 

2. Rob runs 4 miles on Monday. On Wednesday, he runs 2 miles. On Friday, he runs 4 miles. How many total miles did Rob run?

Use counters to model the problem and solve.

10 total miles

Draw a picture to solve. Write the number sentence.

3. Yasmen has 2 star stickers, 3 heart stickers, and 7 animal stickers. How many stickers does Yasmen have in all?

Answers will vary.

$$\underline{2} + \underline{3} + \underline{7} = \underline{12}$$

4. Briana brings home 3 bananas, 6 apples, and 4 peaches. How many pieces of fruit did Briana bring home?

$$\underline{3} + \underline{6} + \underline{4} = \underline{13}$$

5. Sean sells 5 boxes of chocolate cookies, 4 boxes of oatmeal cookies, and 9 boxes of mint cookies for his school. How many boxes of cookies did Sean sell for his school?

$$5 + 4 + 9 = \underline{18}$$

Solve.

6. What is the sum of the equation $6 + 7 + 3 = ?$

$$6 + 7 + 3 = \underline{16}$$

Use counters to build the model. Complete the number sentence and solve.

1. Bo has 3 markers, 2 pencils, and 1 crayon in his box. How many items are in his box?



$$3 + 2 + 1 = \underline{6}$$

How many items are in Bo's box? 6

Draw a picture to solve.

2. The teacher brings 5 muffins, 4 sandwiches, and 3 pears to the class picnic. How many items does the teacher bring to the picnic?

Answers will vary.

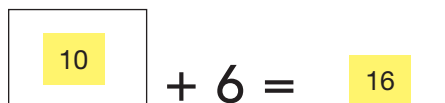
Complete. $5 + 4 + 3 = \underline{12}$

How many items did the teacher bring to the picnic? 12

Solve.

3. Harry has 3 cars, 7 stuffed animals, and 6 action figures in his toy chest. How many objects are in his toy chest?

$$3 + 7 + 6 =$$



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

How many items are in his toy chest? 16