Name *Answer Key*

1

Use counters to show why each is true.

a. 3 + 4 = 7

b. 4 + 5 = 9

c. 6 + 2 = 8

ANSWER: Answers will vary. Children may have groups of counters to show each addend and the sum.

COMMENTS & EXTENSIONS: Number sentences like this are not to be memorized. They are representations of objects and actions. 3 + 4 = 7 is a representation of a group of 3 combined with a group of 4 to make a group of 7.

Name **Answer Key**

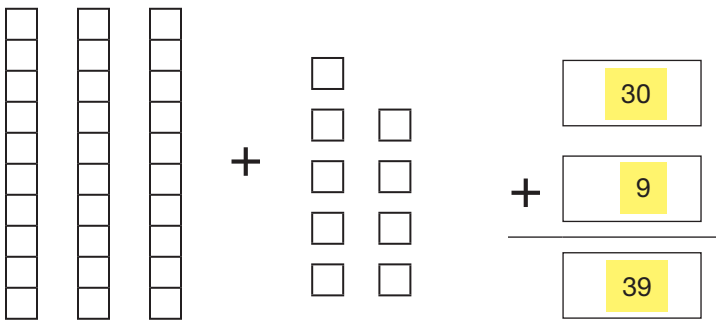
Try This

Marco found 20 shells.
His sister found 8 shells.
How many in all?

$$\begin{array}{r} 20 \\ +\ 8 \\ \hline 28 \end{array}$$

Use Base Ten Blocks. Color or draw to model each story, and write the sum.

1. Maria had 30 stickers.
   Paige had 9 stickers.
   How many in all?



	30
+	9
	39

Answer key: 3 base ten rods should be colored in, as well as 9 units.

continued on the next page

Name **Answer Key**

2. Shea lives 13 miles from school.
Danny lives 4 miles from school.
How many miles in all?

Tens	Ones
1	⁘

13
\+ 4
17

3. Amad made 36 granola bars.
He also made 6 muffins.
How many baked goods in all?

Show the addition:

Tens	Ones
111	⁘ ⁘

Make a 10:

Tens	Ones
1111	⁘

36
\+ 6
42

Name Answer Key

Use blocks. Color or draw to model the story. Write the addition sentence to match.

1. Martin has 11 balloons. Ryan has 8 balloons.

How many balloons in all?

11 + 8 = 19 balloons

2. There are 15 balls. 6 more are added. How many balls are there now?

Check children's drawings.

15 + 6 = 21 balls

How many balls are in the bin now?

21 balls

continued on the next page

Name **Answer Key**

3. There are 28 people in line for a movie.
7 more join.

Check children's drawings.

How many people are now in line?

28 + 7 = 35 people

4. Karly has 56 red beads. She has 9 blue beads.

Check children's drawings.

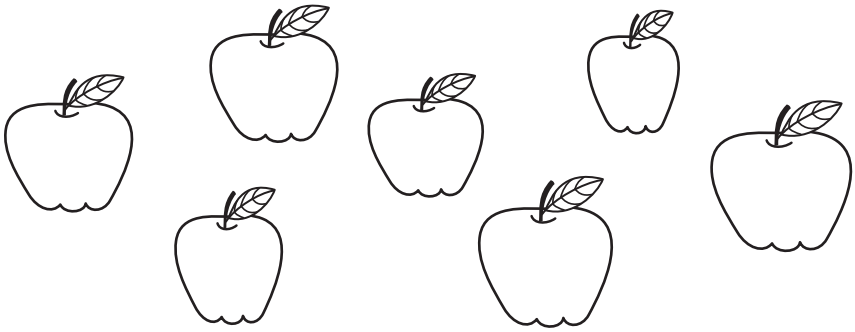
How many beads does she have in all?

56 + 9 = 65 beads

Name *Answer Key*

2

Here are some apples.



If each apple were cut in half, how many pieces would there be?

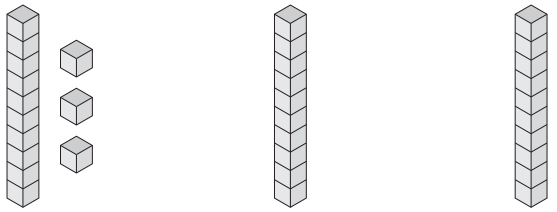
ANSWER: 14 pieces

COMMENTS & EXTENSIONS: Children can draw on the picture to help solve. They can draw the groups and count the parts.

Name **Answer Key**

Try This

Use Base Ten Blocks to help you count on by tens from 13.

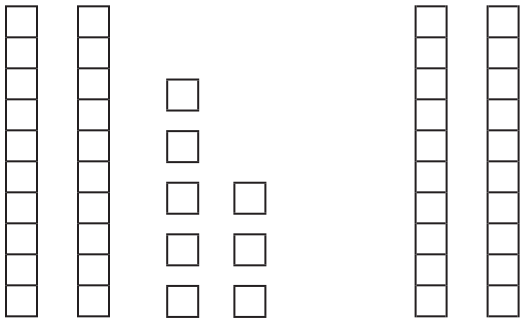


13 23 33

$$\begin{array}{r} 13 \\ +\ 20 \\ \hline 33 \end{array}$$

Use Base Ten Blocks. Color or draw your model. Write the sum.

1. The teacher has 28 papers to grade. The next day, she has 20 more papers to grade. How many papers does the teacher have to grade in all?



28 20

$$\begin{array}{r} 28 \\ +\ 20 \\ \hline \boxed{48} \end{array}$$

How many papers does the teacher have to grade in all? 48 papers

continued on the next page

Name **Answer Key**

2. There were 23 pennies in a jar. The next day 40 pennies were added to the jar. How many pennies are in the jar now?

$$\begin{array}{r} 23 \\ +\ 40 \\ \hline \boxed{63} \end{array}$$

Check children's drawings.

How many pennies are in the jar now?

63 pennies

3. On Monday, 37 tickets sold for the school fair. On Tuesday, 60 more tickets sold. How many tickets were sold on both days together?

$$\begin{array}{r} 37 \\ +\ 60 \\ \hline \boxed{97} \end{array}$$

Check children's drawings.

How many tickets were sold on both days together? 97 tickets

continued on the next page

Name **Answer Key**

4. There are 45 students at the picnic. 30 more students join the picnic. How many students are at the picnic in all?

Count on by ten to solve.

45 55, 65, 75

$$\begin{array}{r} 45 \\ +\ 30 \\ \hline 75 \end{array}$$

How many students are at the picnic in all?

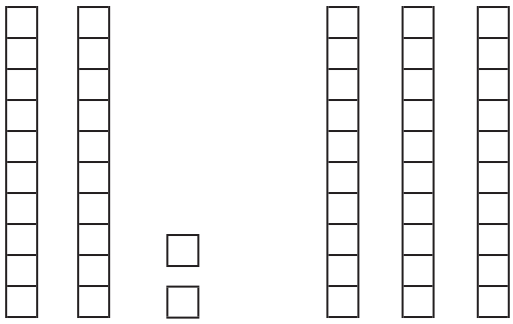
75 students

Name **Answer Key**

Use Base Ten Blocks to build the model.

1. Write the sum.

$$\begin{array}{r} 22 \\ +\ 30 \\ \hline \boxed{52} \end{array}$$



22 + 30

2. There are 27 cups left in a pack. Another pack has 30 cups. How many cups are there in both packs? Draw the blocks and write the sum.

$$\begin{array}{r} 27 \\ +\ 30 \\ \hline \boxed{57} \end{array}$$

Check children's drawings.

How many cups are there in both packs?

57 cups

continued on the next page

Name **Answer Key**

3. Pam has 36 crayons. Her friend has 40 crayons. Draw a picture to show how many in all.

$$\begin{array}{r} 36 \\ +\ 40 \\ \hline \boxed{76} \end{array}$$

Check children's drawings.

How many crayons do they have in all?

76 crayons

4. There are 39 books about ants at the library. There are 30 books about spiders at the library. How many book are there on spiders and ants combined?

Count on by tens to solve.

39, 49, 59, 69

$$\begin{array}{r} 39 \\ +\ 30 \\ \hline \boxed{69} \end{array}$$

How many book are there about spiders and ants combined? 69 books

Name *Answer Key*

3

a. Skip count by 2s from 3 to 21.

b. Skip count by 3s from 4 to 25.

c. Skip count by 5s from 3 to 33.

ANSWER: **a.** 3, 5, 7, 9, 11, 13, 15, 17, 19, 21; **b.** 4, 7, 10, 13, 16, 19, 22, 25; **c.** 3, 8, 13, 18, 23, 28, 33

COMMENTS & EXTENSIONS: If children seem to excel at this, try getting them to do it backward as in the oral question.

Count by 5s from 33 to 3.

Name Answer Key

Try This

There are 13 cups on the table. Maura brings 10 more cups over to the table.

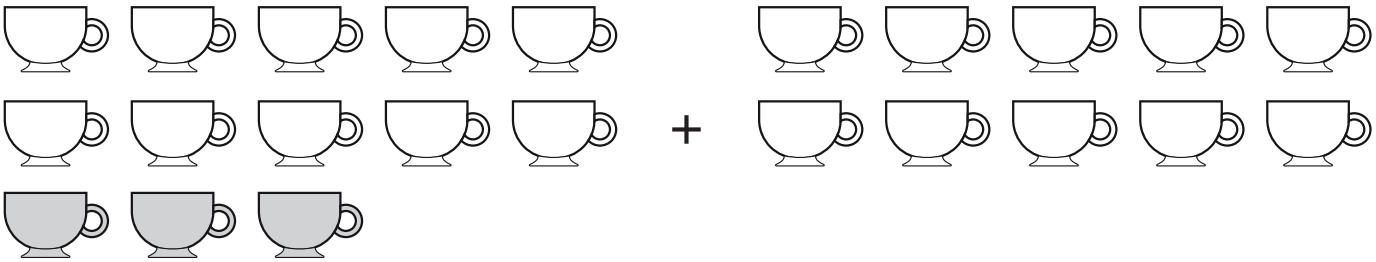
How many cups are on the table?

1 ten + 1 ten = 2 tens

3 ones + 0 ones = 3 ones

I have 2 tens and 3 ones.

How many cups are on the table? 23 cups



Use Base Ten Blocks to solve.

1. The teacher has 45 rubber bands in a drawer. She places 10 more rubber bands in the drawer.

   How many rubber bands are in the drawer now?

   55 rubber bands

   4 tens plus 1 ten equals 5 tens

   5 ones plus 0 ones equals 5 ones

$$\begin{array}{r} 45 \\ +\ 10 \\ \hline 55 \end{array}$$

continued on the next page

Name Answer Key

2. The cafeteria has 51 lunches ready for the students. They make 10 more lunches.

How many lunches do they have in all?

61 lunches

3. Uma places 47 beads in a dish. She uses 10 beads to make a bracelet.

How many beads are left in the bowl?

37 beads

4. There are 22 shirts in the store. 10 shirts are sold. How many shirts are still in the store? Make a drawing to explain your answer.

Answer key: 22 shirts, 10 crossed out.

How many shirts are still in the store?

12 shirts

continued on the next page

Name **Answer Key**

5. There are 89 students going on a field trip. There are 10 teachers going on the field trip. What is the total number of people going on the field trip?

Explain your answer using words and numbers.

What is the total number of people going on the field trip? 99

Explanations will vary. Children may say that they begin with 89 and count up by 1 ten to 99; they may say they count up 10 from 89; children may write an equation 89 + 10 = 99.

6. Fill in the blank with the correct number.

24 is 10 more than what number? 14

33 is 10 less than what number? 43

$$\begin{array}{r} 55 \\ +\ 10 \\ \hline 65 \end{array} \qquad \begin{array}{r} 65 \\ -\ 10 \\ \hline 55 \end{array}$$

Name Answer Key

Use Base Ten Blocks. Solve.

1. There are 11 paper clips in a box. 10 paper clips are added to the box. How many paper clips are in the box now?

11 + 10 = 21

21 paper clips

2. There are 26 frogs in a pond. 10 more frogs jump into the pond. How many frogs are in the pond in all?

2 tens + 1 ten = 3 tens

6 ones + 0 ones = 6 ones

26 + 10 = 36

How many frogs are in the pond in all?

36 frogs

continued on the next page

Name Answer Key

Solve.

3. Tina has 39 paper towels. She uses 10 paper towels for cleaning.

How many paper towels does she have left?

29 paper towels

4. Brock picks 64 strawberries. He eats 10 strawberries. How many strawberries does he have left?

Explain your answer using words and numbers.

How many strawberries does he have left?

54 strawberries

Explanations will vary. Children may say they counted back from 64 by 1 ten or 10 ones.

Name *Answer Key*

4

Use counters to show why each is true.

a. 7 – 2 = 5

b. 10 – 3 = 7

c. 9 – 2 = 7

ANSWER:

a. Sample: ○○○○○ | ○○

b. Sample: ○○○○○○○ | ○○○

c. Sample: ○○○○○○○ | ○○

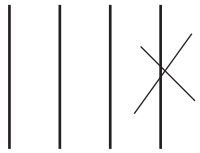
COMMENTS & EXTENSIONS: Math facts are not things to be parroted without meaning. They concern actions on classes of objects.

Show your thinking for 10 – 4 = 6.

Name Answer Key

Try This

There are 40 buttons in a case. 10 buttons are used. How many buttons are still in the case? Make a drawing that matches the model. Fill in the number sentence and solve the problem.



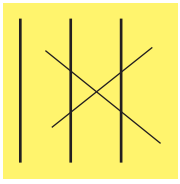
$$\begin{array}{r} 40 \\ -\ 10 \\ \hline \boxed{30} \end{array}$$

How many buttons are still in the case?

30 buttons

Use Base Ten Blocks. Draw your model. Solve.

1. There are 30 student names on the board. The teacher takes 20 names off the board. How many names are still on the board?



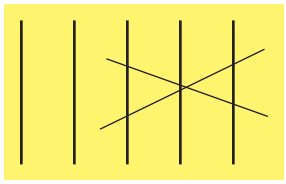
10 names

continued on the next page

Name **Answer Key**

2. Franklin has 50 napkins. He used 30 napkins. How many napkins does Franklin have left?

$$\begin{array}{r} 50 \\ -\ 30 \\ \hline \boxed{20} \end{array}$$



20 napkins

3. The science teacher has 90 magnets in a drawer. She gives out 40 magnets to the class. How many magnets are still in the drawer?

Use any strategy you choose to solve the problem. Write a number sentence that matches the problem.

$$\begin{array}{r} \square \\ -\ \square \\ \hline \square \end{array}$$

Possible answer if child chooses to draw to solve: 9 lines, 4 lines crossed off

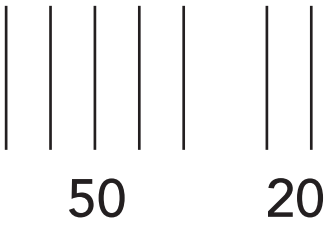
How many magnets are still in the drawer?

50 magnets

continued on the next page

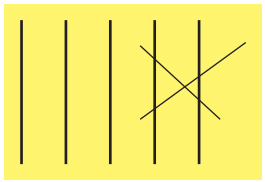
Name **Answer Key**

4. Larry is solving the number sentence 50 – 20 = ? His work is shown. Explain Larry's mistake. What is the correct answer? Show me how you know with a drawing.



$$\begin{array}{r} 50 \\ -\ 20 \\ \hline 70 \end{array}$$

Larry added when he should have subtracted. The correct answer is 30.



Name Answer Key

Use Base Ten Blocks. Draw your to model. Solve.

1. The teacher has 60 bags of fruit snacks. She gives out 40 bags of fruit snacks during recess. How many bags of fruits snacks does she have left?

Check children's drawings.

How many bags of fruits snack does she have left? 20 bags of fruit snacks

2. Yussef has 50 crayons. He gives his friend 30 crayons. How many crayons does Yussef have left? Model the problem by making a drawing and solve.

Check children's drawings.

How many crayons does Yussef have left?
20 crayons

continued on the next page

Name Answer Key

Draw a model. Solve.

3. There are 70 plants at the store. 30 plants are sold. How many plants are still at the store?

$$\begin{array}{r} 70 \\ -\ 30 \\ \hline \boxed{40} \end{array}$$

Check children's drawings.

How many plants are still at the store?

40 plants

4. There are 90 students at the baseball game. 70 students leave. How many students are still at the baseball game?

$$\begin{array}{r} \boxed{90} \\ -\ \boxed{70} \\ \hline \boxed{20} \end{array}$$