Name _____

Lesson 7-1
Represent Addition and Subtraction Problems

I can ...
model problems using equations with unknowns in any position.

Content Standard 2.OA.A.1
Mathematical Practices MP.2, MP.4, MP.5, MP.8

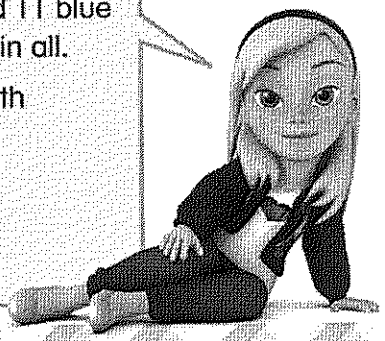
Solve & Share

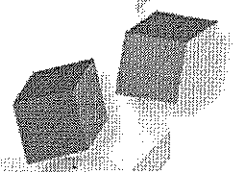
Jenn has some red cubes and 11 blue cubes. She has 24 red and blue cubes in all.

She says the problem can be shown with the equation below.

$$? + 11 = 24$$

Draw what the ? represents.
Explain your answer.





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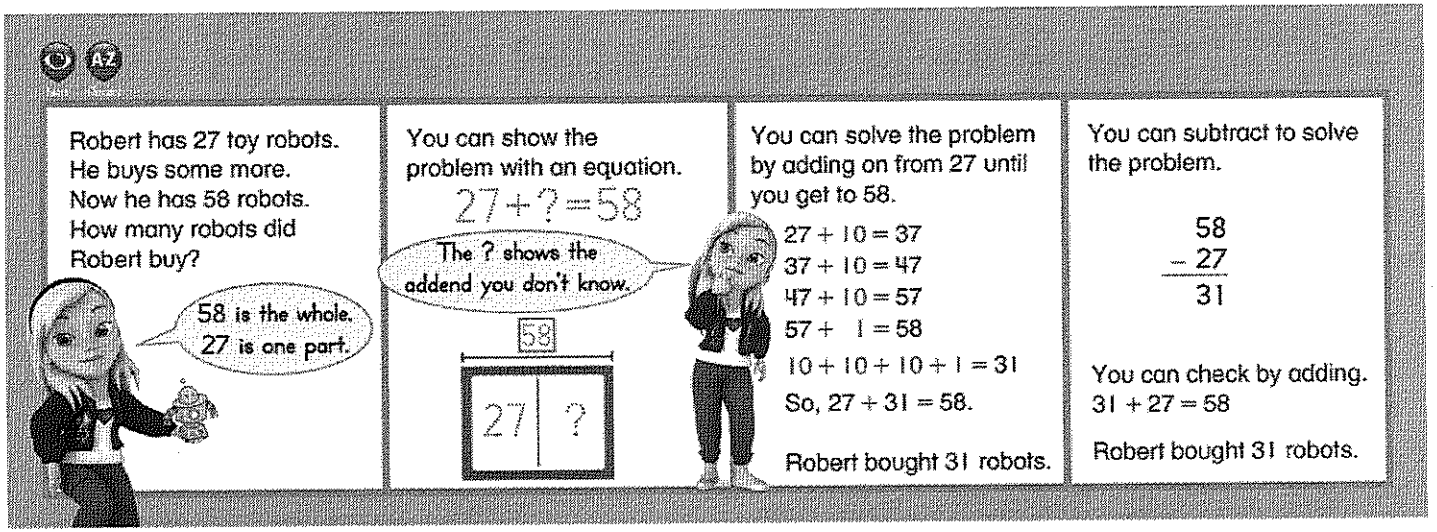

Do You Understand?

Show Me! Could you show Robert's robot problem with the equation below? Explain.

$58 = 27 + ?$

Guided Practice

Write an equation with a ? for the unknown to model the problem. Then solve. Show your work.

1. Mary has some game tickets. She gives 14 tickets away and now has 17 tickets left. How many tickets did she have at first?

   Equation: $? - 14 = 17$ _____ tickets

2. Tamara has $25. She earns $34 more by working. How much money does she have now?

   Equation: _____ $ _____

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Name _____

Independent Practice

Write an equation with a ? for the unknown to model the problem. Then solve. Show your work.

3. Erin has 32 books on her bookshelf. She gives some to friends and now has 19 books left. How many books did she give away?

Equation: _____

_____ books

4. A store sells 38 men's bikes and 47 women's bikes. How many bikes did the store sell in all?

Equation: _____

_____ bikes

5. **Math and Science** A field has 25 trees in it. 14 trees are new and the rest are old. How many trees are old? Write two different equations that represent the problem. Then solve.

Equation: _____

Equation: _____

_____ old trees

6. **Number Sense** Harry buys 22 fish. He has a round fish bowl and a rectangular fish tank. How could he place the fish in the bowl and tank?

Equation: _____

_____ fish in the bowl _____ fish in the tank

Save

Math Practices and Problem Solving Write an equation with a ? for the unknown to model the problem. Then solve. Show your work.

7. **MP.4 Model** Rodney collects 17 leaves and Sheila collects 23 leaves. How many more leaves does Sheila collect than Rodney?

Equation: _____

_____ more leaves

8. **MP.4 Model** Jun swims 18 laps and Mara swims 25 laps. How many fewer laps did Jun swim than Mara?

Equation: _____

_____ fewer laps

9. **Higher Order Thinking** Jim has 44 roses. 14 are white and the rest are red. How many are red? Write two different equations to model the problem. Then solve.

Equation: _____

Equation: _____

_____ red roses

10. **Assessment** Some wolves howl in the woods. 12 wolves join them. Now 30 wolves howl. How many wolves howled at first?

Write an equation to model the problem. Use a ? for the unknown. Then solve.

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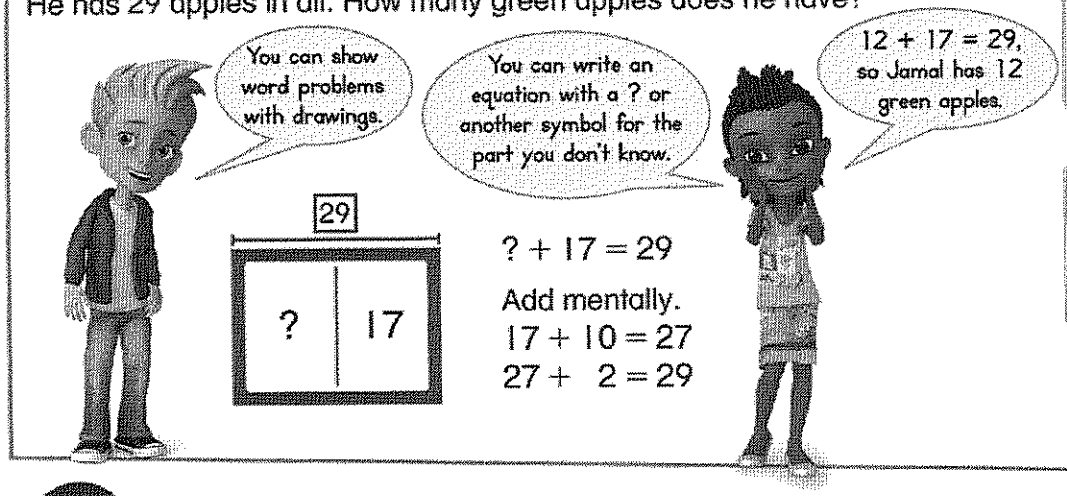
Save

Name _____

Homework & Practice 7-1
Represent Addition and Subtraction Problems

HOME ACTIVITY Ask your child to write an equation for each of 2 different problems you make up. Then have him or her show you how to solve the problems.

Another Look! Jamal has some green apples and 17 red apples. He has 29 apples in all. How many green apples does he have?



? + 17 = 29

Add mentally.
17 + 10 = 27
27 + 2 = 29

Write an equation with a ? for the unknown to model the problem. Then solve. Show your work.

1. Jill bikes 15 miles in the morning and 17 miles in the afternoon. How many miles does she bike in all?

   Equation: _____

   _____ miles

2. Maria makes 21 thank you cards. She mails 13 of the cards. How many cards does she have left?

   Equation: _____

   _____ cards

Write an equation with a ? for the unknown to model the problem. Then solve. Show your work.

3. **MP.4 Model** Latisha eats 12 grapes with lunch and then eats some more with dinner. She eats 26 grapes in all. How many grapes does she eat with dinner?

Equation: _____

_____ grapes

4. **MP.4 Model** Jack read 24 pages of a book and John read 19 pages of a book. How many more pages did Jack read than John?

Equation: _____

_____ more pages

5. **Higher Order Thinking** A train has 43 cars. 15 cars are red and the rest are blue. How many blue cars does the train have? Write two different equations that represent the problem. Then solve.

Equation: _____

Equation: _____

_____ blue cars

6. **Assessment** 63 boys enter a marathon. 48 boys finish the race and some boys do not. How many boys do **NOT** finish the race?

Write an equation to model the problem. Use a ? for the unknown. Then solve.

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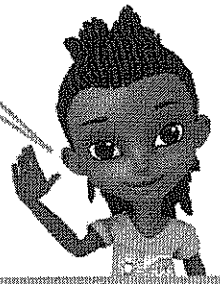
Save

Name _____

Solve & Share

Aiden has 27 fewer crayons this week than last week. Last week he had 56 crayons. How many crayons does Aiden have this week? Show your work.



_____ crayons

Lesson 7-2

Mixed Practice: Solve Addition and Subtraction Problems

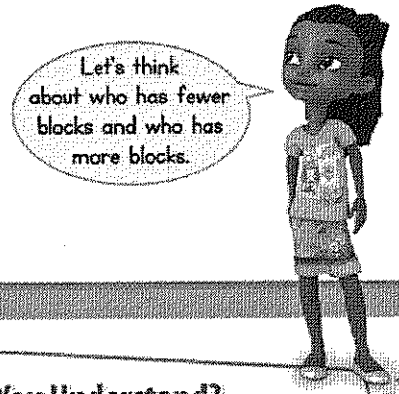
I can ...

use drawings and equations to make sense of the words in problems.

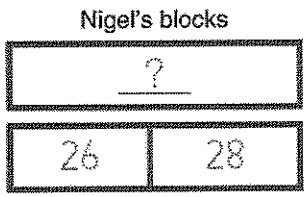
Content Standard 2.OA.A.1
Mathematical Practices MP.1, MP.2, MP.3, MP.4

Save

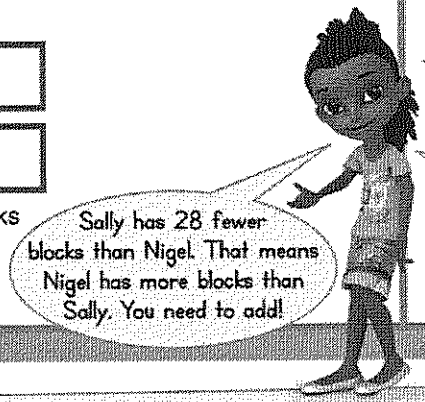
Sally has 28 fewer blocks than Nigel.
Sally has 26 blocks.
How many blocks does Nigel have?

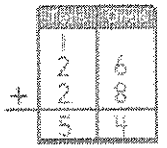


A bar diagram can help you think about the problem.



$26 + 28 = ?$





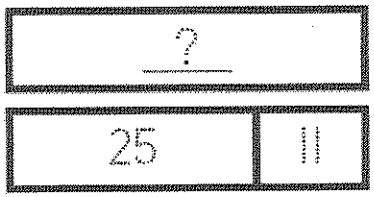
Do You Understand?

Show Me! How are these statements alike and different? Cal has 12 fewer blocks than Mia. Mia has 12 more blocks than Cal.

Guided Practice

Solve the problem any way you choose. Use drawings and equations to help.

1. Lakota has 11 fewer magnets than Jeffrey. Lakota has 25 magnets. How many magnets does Jeffrey have?



$25 + 11 =$ _____

_____ magnets

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Name _____

Independent Practice

Solve each problem any way you choose. Use drawings and equations to help. Show your work.

2. There are 28 more students than adults at the school fair. There are 96 students at the school fair. How many adults are at the school fair?

_____ adults

3. Ellie the elephant has some peanuts. She eats 49 peanuts. Now Ellie the elephant has 31 peanuts. How many peanuts did she have before?

_____ peanuts

4. The blue team scores 16 fewer points than the green team. The blue team scores 41 points. How many points did the green team score?

_____ points

5. **Higher Order Thinking** Sean studies 16 fewer vocabulary words than Chris. Chris studies 10 fewer vocabulary words than Tia. Tia studies 34 words. How many words does Sean study? Explain your answer.

_____

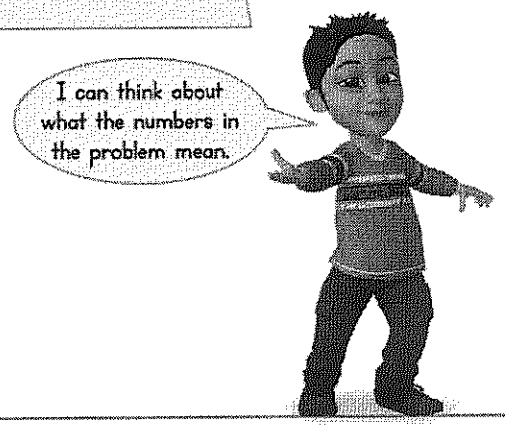
_____

_____

Save

Math Practices and Problem Solving Solve the problem any way you choose. Use drawings and equations to help. Show your work.

6. **MP.2 Reasoning** Kevin practices kicks for soccer. He kicks 13 times at recess. He kicks 14 times after school. Then he kicks 16 times before bed. How many practice kicks did Kevin take in all?



_____ kicks

7. **Higher Order Thinking** There are 48 red tacks and blue tacks in a bag. There are fewer red tacks than blue tacks. There are at least 26 blue tacks but no more than 30 blue tacks. How many of each color could be in the bag?

Complete the chart to solve the problem.

Red Tacks	Blue Tacks	Total
22	26	48
21		48
	28	48
19		48
	30	48

8. **Assessment** Jim has 14 fewer baseball cards than Sara. Sara has 27 cards. How many baseball cards does Jim have?

Draw a line to show where each number and the unknown could be in the equation. Then solve.

27 ? 14

_____ − _____ = _____

_____ cards

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Name _____

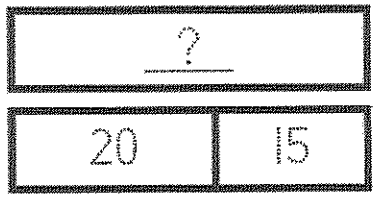
Homework & Practice 7-2
Mixed Practice: Solve Addition and Subtraction Problems

HOME ACTIVITY Tell your child Max has 10 fewer shells than Becca. Max has 20 shells. How many shells does Becca have? Then have your child write the equation. 20 + 10 = 30.

Another Look! A bar diagram can help you solve word problems.

Bridget has 15 fewer crackers than Jessica. Bridget has 20 crackers. How many crackers does Jessica have?

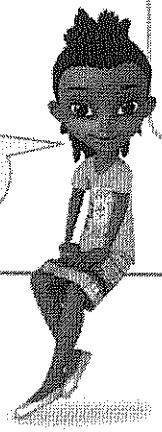
Jessica's crackers



Bridget's crackers | 15 crackers fewer

$$\begin{array}{r} 20 \\ +\ 15 \\ \hline 35 \end{array}$$

Jessica has 35 crackers.



Solve each problem any way you choose. Use drawings and equations to help. Show your work.

1. Ann puts 37 photos in one book and 24 photos in another book. How many photos does she use in all?

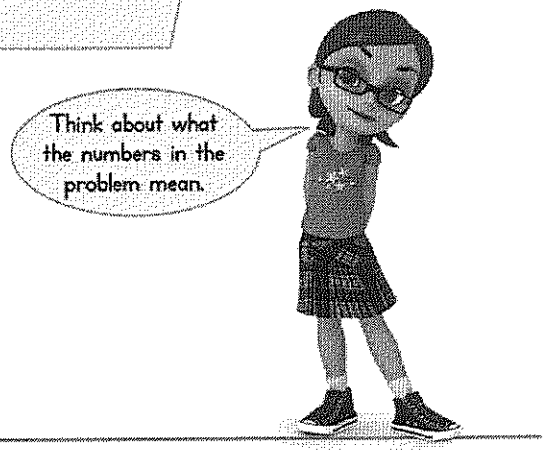
_____ photos

2. Jorge's puzzle has 20 fewer pieces than Rosi's puzzle. Jorge's puzzle has 80 pieces. How many pieces does Rosi's puzzle have?

_____ pieces

Solve each problem any way you choose. Use drawings and equations to help. Show your work.

3. **MP.2 Reasoning** Lucy makes 37 get well cards and some thank you cards. She makes 60 cards in all. How many thank you cards does Lucy make?



_____ thank you cards

4. **Higher Order Thinking** Jeff finds some bugs. He finds 10 fewer grasshoppers than crickets. He finds 5 fewer crickets than ladybugs. If Jeff finds 5 grasshoppers, how many ladybugs does Jeff find? How many crickets does he find? Write two equations to solve the problem.

_____ crickets _____ ladybugs

5. **Assessment** Sandy has 17 fewer hockey cards than Al. Al has 55 hockey cards. How many hockey cards does Sandy have?

Draw a line to show where each number and unknown could be in the equation. Then solve.

17	?	55

_____ + _____ = _____

_____ cards

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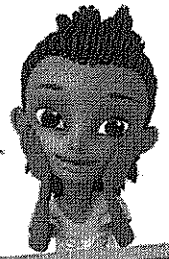
Save

Name _____

Solve & Share

Erin has 17 more books than Isabella. Erin has 44 books. How many books does Isabella have?

Solve any way you choose. Show your work.



_____ books

Lesson 7-3
Continue Practice with Addition and Subtraction Problems

I can ...
use drawings and equations to make sense of the words in problems.

Content Standard 2.OA.A.1
Mathematical Practices MP.1, MP.2, MP.4, MP.8

Save

Julie has 18 more pictures than Landon.
Julie has 37 pictures. How many pictures does Landon have?

Julie's pictures

37	
?	18
Landon's pictures	18 pictures more

The diagram helps you show what you know.

Landon has 18 fewer pictures than Julie. You can subtract to find the answer.

$37 - 18 = ?$

$$\begin{array}{r} 2\,17 \\ \not{3}\not{7} \\ -\ 18 \\ \hline 19 \end{array}$$

Add to check your answer.

$$\begin{array}{r} 19 \\ +\ 18 \\ \hline 37 \end{array}$$

So, Landon has 19 pictures.

You can solve word problems using models, drawings, or mental math.

Do You Understand?

Show Me! Compare the two statements:
Sam has 18 more markers than Zoey.
Zoey has 18 fewer markers than Sam.

Guided Practice

Solve the problem any way you choose. Use drawings and equations to help.

1. The second grade has 19 more students than the first grade. The second grade has 68 students. How many students does the first grade have?

68	
?	19

$$\begin{array}{r} 5\,18 \\ \not{6}\not{8} \\ -\ 19 \\ \hline \end{array}$$

_____ students

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Name _____

Independent Practice

Solve each problem any way you choose. Use drawings and equations to help. Show your work.

2. There are 11 more adults than children at a craft fair. There are 54 adults at the craft fair. How many children are at the craft fair?

_____ children

3. Caleb is 17 years old. His sister is 12 years younger. How old is Caleb's sister?

_____ years old

4. Dylan and his friends had some blueberries. They ate 39 blueberries. They have 21 blueberries left. How many blueberries did Dylan and his friends have at first?

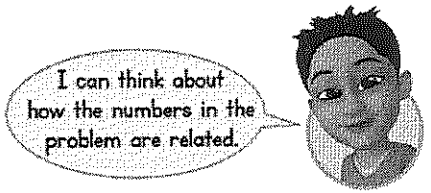
_____ blueberries

5. **Math and Science** Addison made a dam with 18 more rocks than James. Addison's dam had 42 rocks. How many rocks did James's dam have? Explain your answer.

Save

Math Practices and Problem Solving Solve each problem any way you choose. Use drawings and equations to help. Show your work.

6. **MP.2 Reasoning** Connor has 39 sheets of green paper and some sheets of yellow paper. He has 78 sheets of paper in all. How many yellow sheets of paper does Connor have?



_____ yellow sheets

7. **Higher Order Thinking** There are 58 red pens and blue pens in a bag. There are more red pens than blue pens. There are at least 36 red pens but no more than 40 red pens. How many of each color could be in the bag?

Complete the chart to solve the problem.

Red Pens	Blue Pens	Total
36	22	58
37		58
	20	58
39		58
	18	58

8. **Assessment** Andrew has 63 more beanbags than Evan. Andrew has 92 beanbags. How many beanbags does Evan have?

Explain how you will solve the problem. Then solve.

_____ bean bags

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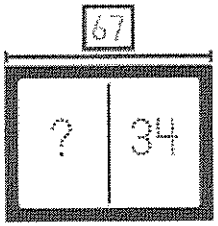
Save

Name _____

Another Look!

Derek has some sheets of blue paper. He has 34 sheets of red paper. He has a total of 67 sheets of paper. How many sheets of blue paper does Derek have?



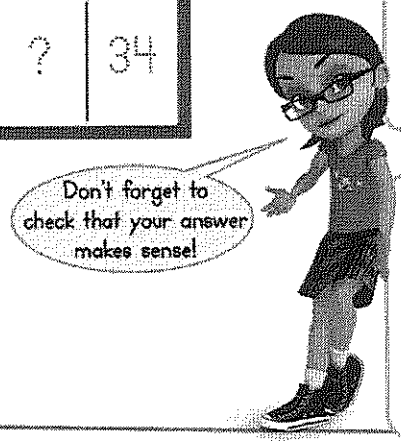
You know one of the parts and the whole.

$? + 34 = 67$

Subtract $67 - 34$ to find the missing part.

$67 - 30 = 37$ $\quad 37 - 4 = 33$

So, Derek has 33 sheets of blue paper.



Homework & Practice 7-3

Continue Practice with Addition and Subtraction Problems

HOME ACTIVITY Have your child solve the following problem: *Luke sold 27 more raffle tickets than Roger. Luke sold 53 tickets. How many tickets did Roger sell?* Ask your child to explain his or her solution.

Solve each problem any way you choose. Use drawings and equations to help. Show your work.

1. Joshua used 23 more craft sticks on his project than Candice. Joshua used 41 craft sticks. How many craft sticks did Candice use?

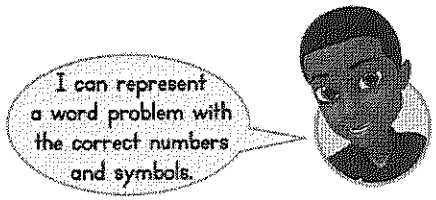
_____ craft sticks

2. Gavin painted 14 pictures last week. He painted some more pictures this week. He painted 25 pictures in all. How many pictures did Gavin paint this week?

_____ pictures

Solve any way you choose. Use drawings and equations to help. Show your work.

3. **MP.2 Reasoning** Daniel tosses a number cube 19 fewer times than Jayden. Daniel tosses a number cube 38 times. How many times does Jayden toss a number cube?



_____ times

4. **Higher Order Thinking** Wyatt has 34 blocks. Stella has 36 blocks. They give 14 blocks to Henry. Now how many blocks do Wyatt and Stella have together?

Complete the steps to solve the problem.

Step 1

_____ ◯ _____ = _____

Step 2

_____ ◯ _____ = _____

_____ blocks

5. **Assessment** Oliver runs 23 fewer laps than Nate. Nate runs 61 laps. How many laps does Oliver run?

Explain how you will solve the problem. Then solve.

_____ laps

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Save

Name _____

Solve & Share

3 bees land on some flowers.
10 more bees join them. Then 4 bees fly away.
How many bees are left?

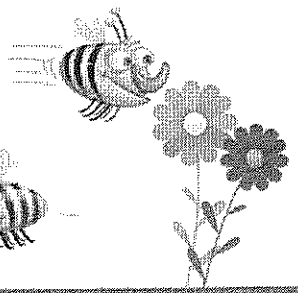
Solve the problem any way you choose.
Write equations to show how you solved each part of the problem.

Lesson 7-4
Solve Two-Step Problems

I can ...
model and solve two-step problems using equations.

Content Standard 2.OA.A.1
Mathematical Practices MP.1, MP.2, MP.4, MP.6

_____ ◯ _____ = _____ _____ ◯ _____ = _____



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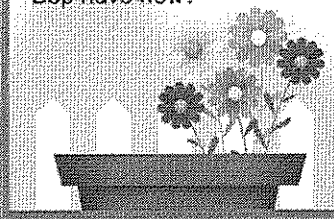
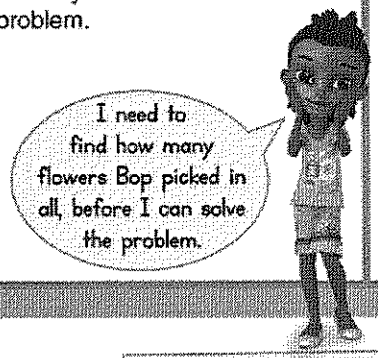
Bop picked 18 flowers and then 5 more.

He gave 10 flowers to Buzz. How many flowers does Bop have now?



Look for the hidden question that you need to answer first, before you can solve the problem.



18 + 5 = ?

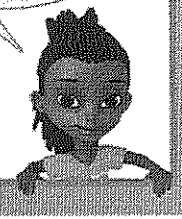
18 + 5 = 23

Bop picked 23 flowers. Then he gave 10 flowers to Buzz.

23 − 10 = ?

23 − 10 = 13

Now Bop has 13 flowers.



Do You Understand?

Show Me! Tom bought 15 pencils and then 7 more. He gave 10 pencils to Nyla. If you want to find how many pencils Tom has left, why do you need to solve the first part of the problem before the second part?

Guided Practice

Solve any way you choose. Show your work. Write equations to solve both parts of the problem.

1. Carmen found 14 shells on Monday and 15 more shells on Tuesday. She found 6 more shells on Wednesday. How many shells did she have then?

14 + 15 = 29

29 + 6 = ____

$$\begin{array}{r} 14 \\ +\ 15 \\ \hline 29 \end{array} \qquad \begin{array}{r} {\scriptstyle 1} \\ 29 \\ +\ 6 \end{array}$$

____ shells

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Name _____

Independent Practice

Solve any way you choose. Show your work.
Write equations to solve both parts of the problem.

2. There are 6 red birds and 17 brown birds in a tree. If 8 more brown birds come, how birds will there be in all?

_____ ◯ _____ = _____

_____ ◯ _____ = _____

_____ birds

3. Erika saw 16 frogs on a lily pad and 8 frogs in the mud. If 7 of the frogs hop away, how many frogs will be left?

_____ ◯ _____ = _____

_____ ◯ _____ = _____

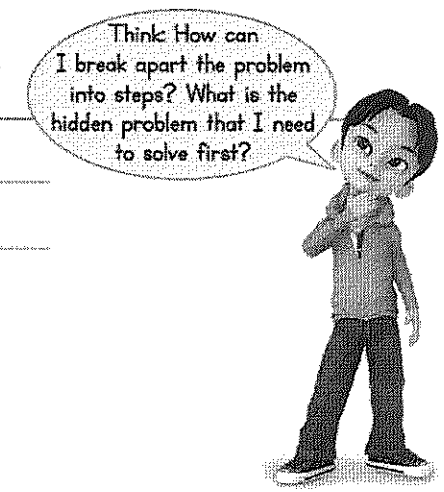
_____ frogs

4. **Higher Order Thinking** Kevin has 15 photos in his scrapbook. He adds 21 photos. Then Kevin takes out some photos. Now he has 28 photos in the scrapbook. How many photos did Kevin take out?

_____ ◯ _____ = _____

_____ ◯ _____ = _____

_____ photos



Math Practices and Problem Solving

Solve each problem.

5. **MP.4 Model** There are 35 test questions. Kareem answers 10 of the questions. Then he answers 12 more questions. How many more questions does Kareem still need to answer?

_____ ◯ _____ = _____

_____ ◯ _____ = _____

_____ more questions

6. **Vocabulary** Circle the equations that have a **sum**. Underline the equations that have a **difference**.

$33 - 18 = 15$ $79 + 16 = 95$

$46 + 34 = 80$ $52 - 52 = 0$

7. **Algebra** Find the missing numbers.

$35 + \square = 100$ $\square =$ _____

$100 - \triangle = 18$ $\triangle =$ _____

8. **Higher Order Thinking** There are 25 friends at a party. Another 20 friends arrive. Then some friends leave the party. Only 7 friends stay. How many friends leave the party?

Write two equations to solve the problem.

_____

_____ friends leave the party.

9. **Assessment** Bill caught 22 fish and threw 6 fish back. He caught 8 more fish. How many fish does Bill have now?

Which equations can be used to solve the problem?

Ⓐ $22 + 6 = 28$ and $28 - 8 = 20$

Ⓑ $22 - 6 = 16$ and $8 - 6 = 2$

Ⓒ $22 - 6 = 16$ and $16 + 8 = 24$

Ⓓ $22 + 6 = 28$ and $28 + 8 = 36$

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Name _____

Homework & Practice 7-4
Solve Two-Step Problems

HOME ACTIVITY Make up story problems that take two questions, or steps, to solve. Ask your child to solve both parts of each problem.

Another Look! You can solve problems in different ways.

Jenna had 13 red markers and 15 blue markers. Then she lost 12 markers. How many markers does Jenna have left?

Step 1
Add to find out how many markers Jenna had in all.

$$\begin{array}{r} 13 \\ +\ 15 \\ \hline 28 \end{array}$$

13 + 15 = 28

Step 2
Subtract the number of markers Jenna lost.

$$\begin{array}{r} 28 \\ -\ 12 \\ \hline 16 \end{array}$$

28 − 12 = 16

16 markers

Solve any way you choose. Show your work. Write equations to solve both parts of the problem.

1. There were 15 red apples and 6 green apples in a bowl. Eric ate 2 of the apples. How many apples are in the bowl now?

Step 1 _____ ◯ _____ = _____

Step 2 _____ ◯ _____ = _____

_____ apples

2. **MP.6 Be Precise** Three students use the table to record how many jumping jacks they did each day. Complete the table and the sentences.

Hank did _____ jumping jacks on Friday.

Emma did _____ jumping jacks on Thursday.

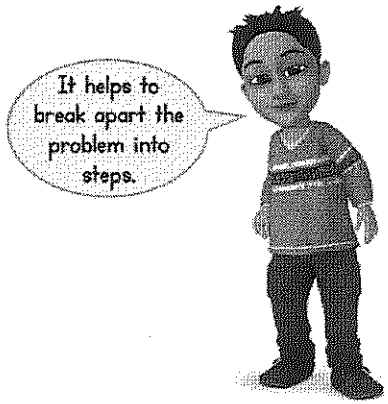
Tana did _____ jumping jacks on Wednesday.

Jumping Jacks				
	Wednesday	Thursday	Friday	**Total**
Emma	30	_____	15	88
Hank	33	32	_____	85
Tana	_____	35	25	100

3. **Higher Order Thinking** Kendra drew 26 stars. She erased 12 stars. Then Kendra drew some more stars. Now there are 29 stars. How many more stars did Kendra draw? Write an equation for each part. Then solve.

4. **Assessment** Ken needs to buy 100 nails. He buys 25 nails at one store and 36 nails at another store. How many more nails does Ken need to buy?

Ⓐ 75
Ⓑ 64
Ⓒ 61
Ⓓ 39



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Name _____

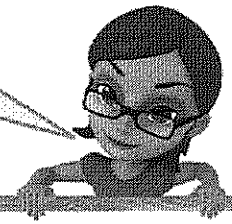
Solve

Lesson 7-5
Continue to Solve Two-Step Problems

Share & Share

You have 26 library books. You return some books. Then you take out 15 more books. Now you have 27 books. How many books did you return?

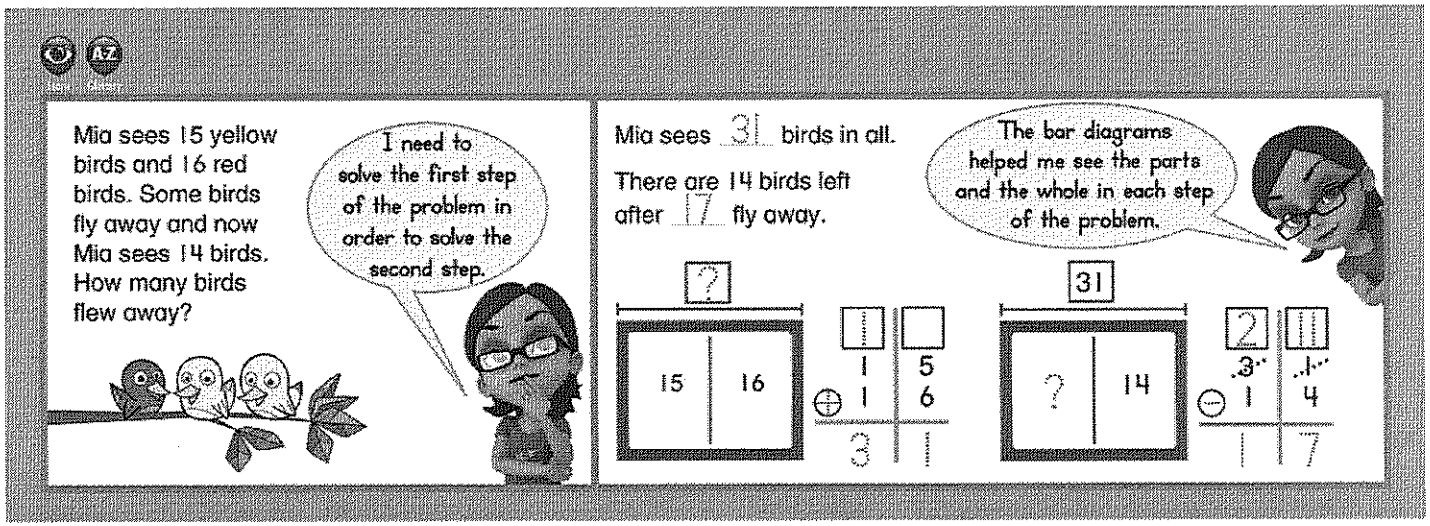
Solve any way you choose. Show your work.



I can ...
use different ways to solve two-step problems.

Content Standard 2.OA.A.1
Mathematical Practices MP.1, MP.3, MP.4, MP.6

Save



Do You Understand?

Show Me! Why do you need two steps to solve the problem above?

Guided Practice Complete the equations to solve.

1. There are some boys painting and 9 girls painting. In all, 17 children are painting. Then some more boys come to paint. Now there are 15 boys painting. How many more boys come to paint?

Step 1

8 + 9 = 17

some boys | girls | children in all

Step 2

____ + ____ = ____

some boys | more boys | boys in all

____ more boys come to paint.

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Name _____

Independent Practice

Solve each problem any way you choose. Show your work.

2. Jake has 16 toy cars. Lidia has 5 fewer toy cars than Jake. How many toy cars do they have in all?

They have _____ cars in all.

3. Sandy has 12 balloons. Tom has 11 more balloons than Sandy. Some of Tom's balloons popped and now he has 14 balloons. How many balloons popped?

_____ balloons popped.

4. 25 wolves howl together in the woods. 14 wolves join them. Then 22 wolves run away. How many wolves are left?

_____ wolves are left.

5. **Higher Order Thinking** Explain how you solved Item 4.

Save

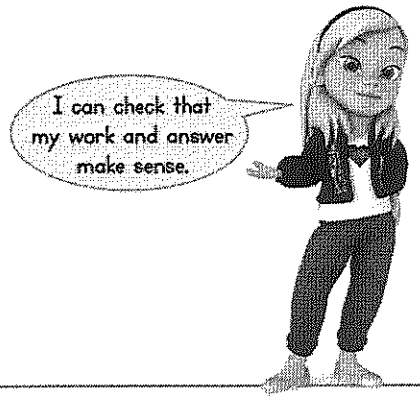
Math Practices and Problem Solving

Solve each problem. Show your work.

6. **MP.1 Make Sense** Tim bakes 24 more muffins than Gina. Gina bakes 13 muffins. Lea bakes 16 fewer muffins than Tim.

How many muffins does Lea bake?

_____ muffins



7. **Higher Order Thinking** Write a two-step math story using the numbers 36, 65, and 16. Then solve the problem. Write equations to show each step.

_____

_____

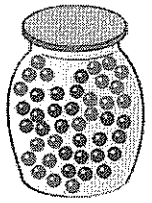
_____

_____

_____ ◯ _____ = _____

_____ ◯ _____ = _____

8. **Assessment** There are 44 marbles in a jar. Some are red and 23 are blue. Julie adds 13 red marbles to the jar. Now how many red marbles are in the jar?



Which equations show a way to solve the problem?

Ⓐ $44 - 23 = 21$
$21 + 13 = 34$

Ⓑ $44 - 23 = 21$
$21 - 13 = 8$

Ⓒ $23 + 21 = 44$
$44 - 13 = 31$

Ⓓ $23 + 44 = 67$
$67 + 13 = 80$

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Name _____

Homework & Practice 7-5
Continue to Solve Two-Step Problems

HOME ACTIVITY Ask your child to solve two-step problems. Use small objects found at home as props.

Another Look! Use the answer from Step 1 to solve Step 2.

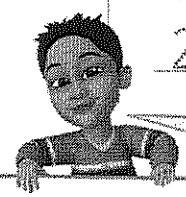
Tomas has 14 toy cars. Jonah has 6 more toy cars than Tomas. How many toy cars do they have in all?

Step 1: Add to find out how many toy cars Jonah has in all.

14 + 6 = 20

Step 2: Add to find the number of toy cars they have in all.

20 + 14 = 34



Use the answer from Step 1 to solve Step 2.

1. Dani picked some red flowers and 9 pink flowers for a total of 21 flowers. Then Dani gave Will 5 red flowers. How many red flowers does Dani have left?

Step 1: Subtract to find how many red flowers Dani picked.

_____ − _____ = _____

Step 2: Subtract to find how many red flowers Dani has left.

_____ − _____ = _____

_____ red flowers

Mr. and Mrs. Morley picked their crops. Use the data in the chart to solve each problem.

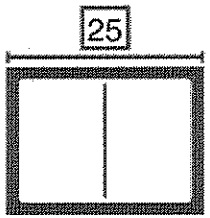
Fruit and Vegetables Picked				
Apples	Peaches	Pumpkins	Corn	Squash
?	23	47	25	17

2. **MP.1 Make Sense** Mr. Morley takes the apples and peaches to his fruit stand. He takes 58 pieces of fruit in all. He sells 13 apples. How many apples are at the fruit stand now?

_____ apples

3. **Higher Order Thinking** Write and solve a two-step problem about the data in the chart above.

4. **Vocabulary** Complete the **bar diagram**. Use two possible **addends** with a **sum** of 25. Then complete the equation.



_____ + _____ = 25

5. **Assessment** There are 21 students at the school picnic. Then 42 more students join them. Later, 30 students leave.

How many students are still at the picnic?

21	33	63	93
Ⓐ	Ⓑ	Ⓒ	Ⓓ

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Save

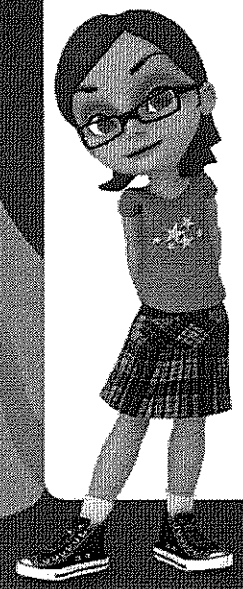
Name _____

Solve & Share

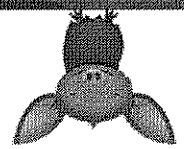
Write a number story for this equation.

20 = ? + ?

Then complete the equation to match your story.



20 = _____ + _____



Math Practices and Problem Solving

Lesson 7-6

Reasoning

I can ...

use reasoning to write and solve number stories.

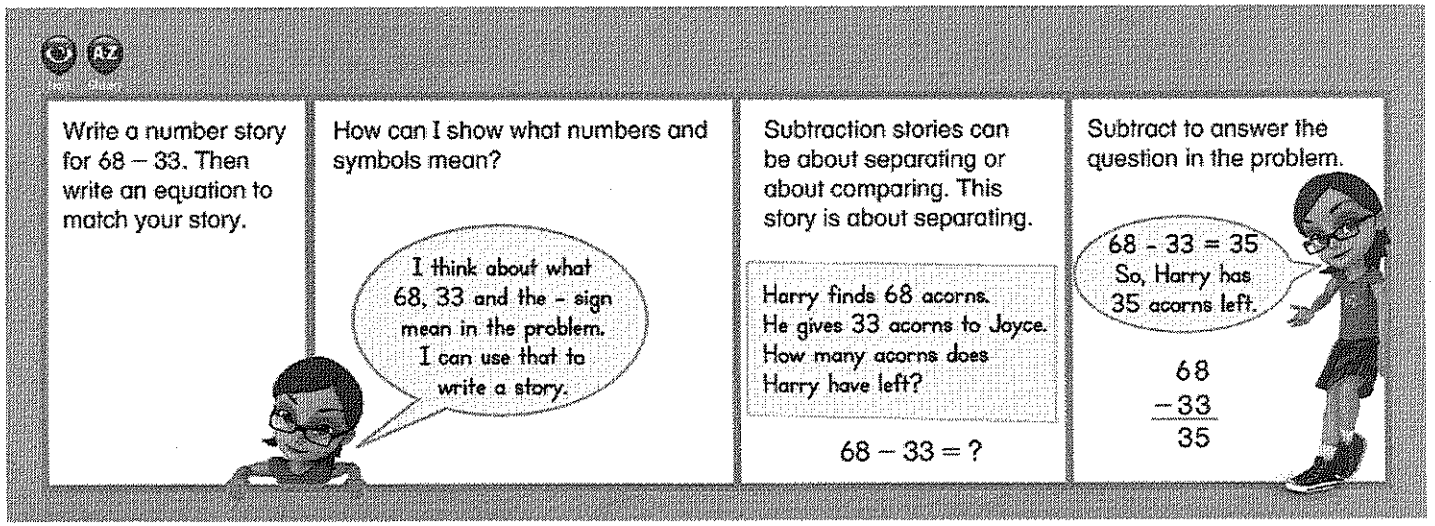
Mathematical Practices
MP.2 Also MP.1, MP.3, MP.4, MP.7
Content Standard 2.OA.A.1

Thinking Habits

How are the numbers in the problem related?

How can I use a word problem to show what the equation means?

Save



Do You Understand?

Show Me! Write a number story about comparing for 68 – 33 = ?.

☆ Guided Practice ☆

Complete the number story. Then complete the equation to match the story. Draw a picture to help, if needed.

1. 47 – 18 = ____

Blake collects 47 cans.

He recycles 18 cans.

How many cans does Blake have now?

____ cans

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Name _____

Independent Practice

Write a number story to show the problem.
Complete the equation to match your story.

2. 22 − 17 = _____

3. 84 − 62 = _____

4. 28 + 12 = _____

5. 39 + 47 = _____

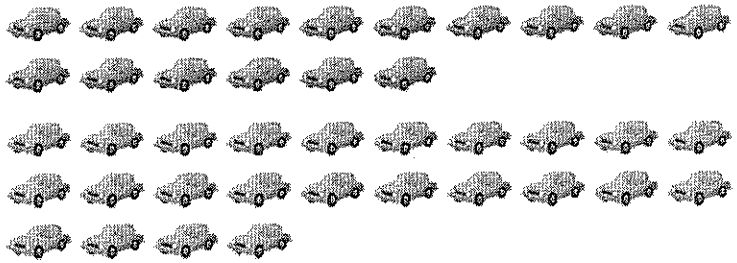
Save

Math Practices and Problem Solving

Performance Assessment

Toy Car Collection

The picture at the right shows a toy car collection. Use the picture to write and solve number story problems.



6. **MP.2 Reasoning** Write an addition story about the toy car collection.

7. **MP.2 Reasoning** Write a subtraction comparison story about the collection.

8. **MP.4 Model** Write an equation for each number story that you wrote in Item 6 and Item 7. Then solve any way you choose. Show your work.

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Save

Name _____

Homework & Practice 7-6 Reasoning

Another Look! You can write a number story about each problem. Then complete the equation to match the story.

$22 - 15 = ?$

There are 22 red buttons.

There are 15 blue buttons.
How many more red buttons are there than blue buttons?

$22 - 15 =$ 7

So, there are 7 more red buttons.

$36 - 17 = ?$

36 grapes are on the table.

17 are red and the rest are green.
How many grapes are green?

$36 - 17 =$ 19

So, 19 grapes are green.

HOME ACTIVITY Write problems such as $41 - 28 = ?$ and $55 + 37 = ?$. Ask your child to write or say a number story about the problem. Have your child complete the equation to match the story.

Write a number story to show the problem. Complete the equation to match your story.

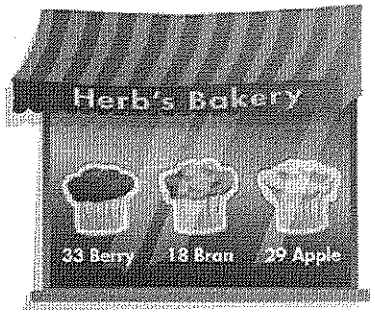
1. $31 - 8 =$ _____

2. $23 + 37 =$ _____

Performance Assessment

Bakery Muffins

The picture at the right shows information about muffins at Herb's Bakery. Use the picture to write and solve number story problems.



3. **MP.2 Reasoning** Write an addition story about the muffins at the bakery.

4. **MP.2 Reasoning** Write a subtraction story about the muffins at the bakery.

5. **MP.4 Model** Write an equation for each number story that you wrote in Item 3 and Item 4. Then solve any way you choose. Show your work.

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