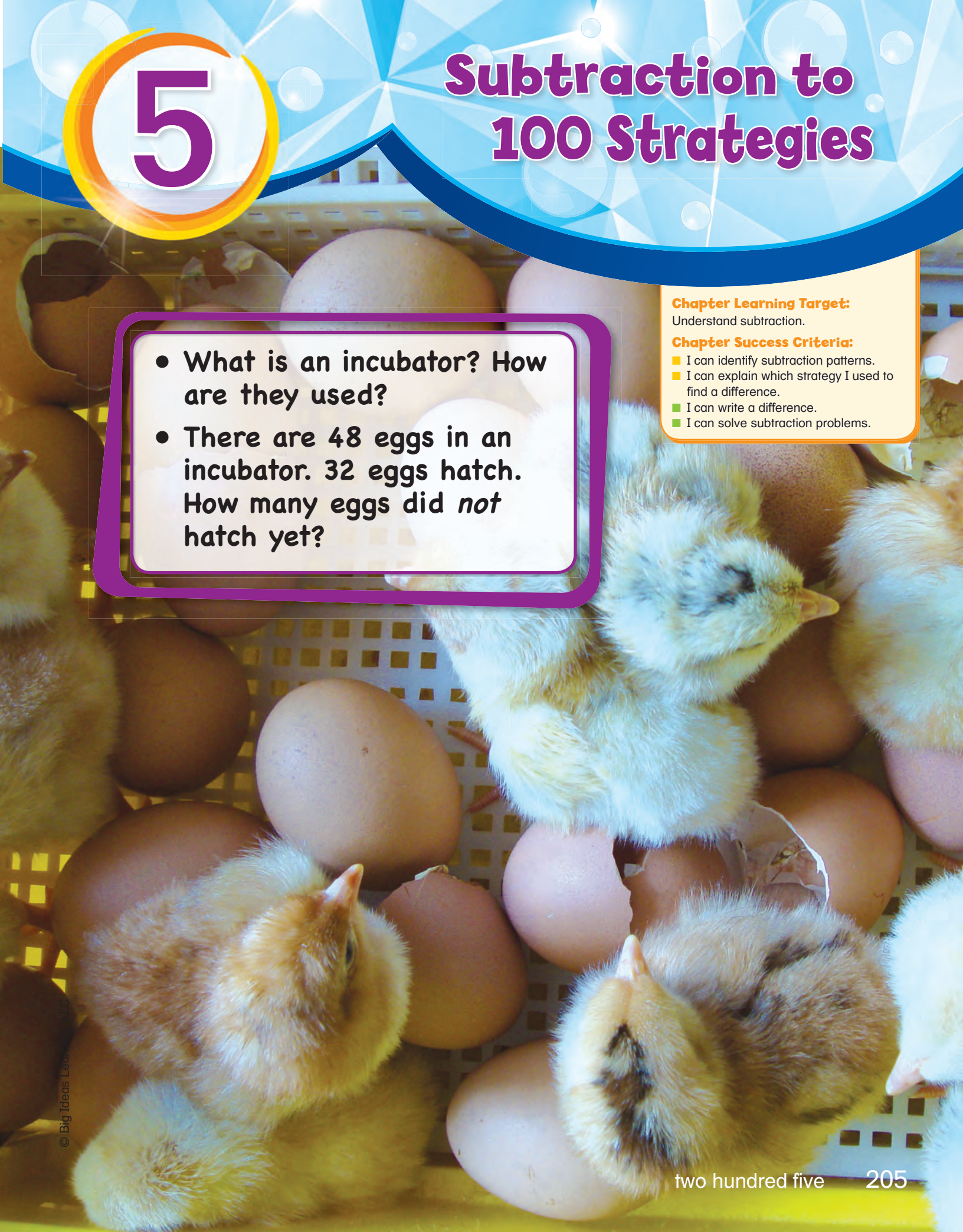
5 Subtraction to 100 Strategies



Chapter Learning Target:
Understand subtraction.

Chapter Success Criteria:
- I can identify subtraction patterns.
- I can explain which strategy I used to find a difference.
- I can write a difference.
- I can solve subtraction problems.

- What is an incubator? How are they used?
- There are 48 eggs in an incubator. 32 eggs hatch. How many eggs did *not* hatch yet?

Name _____

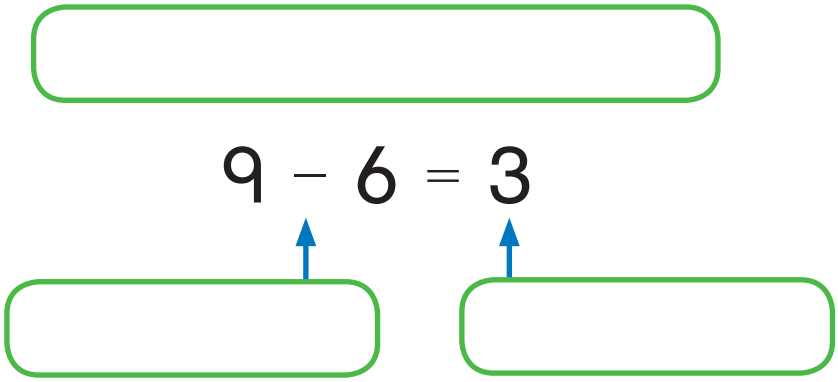
5 Vocabulary

Review Words

difference
halves
minus
quarters
subtraction equation
unequal shares

Organize It

Use the review words to complete the graphic organizer.



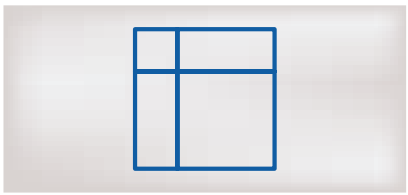
Define It

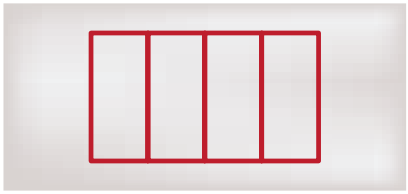
Match.

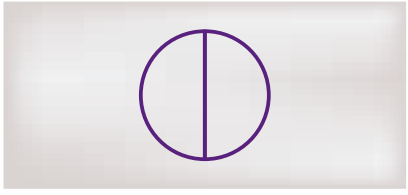
1. halves

2. quarters

3. unequal shares







Name _____

Subtract Tens Using a Number Line

5.1

Learning Target: Use an open number line to subtract tens.

Explore and Grow

Color to show how you can use the hundred chart to solve.

20 − 10 = _____ 75 − 40 = _____

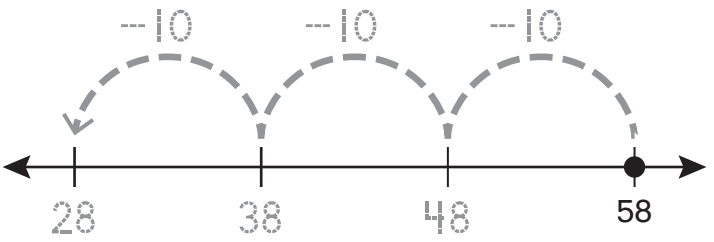
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Think and Grow

$58 - 30 = ?$

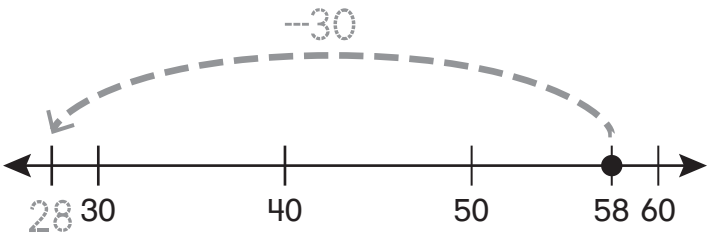
Start at 58. 30 is the same as 3 tens. So, count back 3 tens.

One Way:



Make a larger jump. Counting back 3 tens is the same as counting back 30.

Another Way:

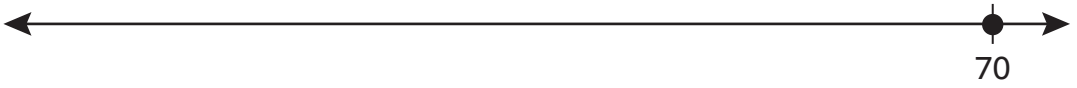


$58 - 30 = \underline{28}$

Show and Grow

I can do it!

1. $70 - 50 = \_\_\_\_\_$



2. $33 - 20 = \_\_\_\_\_$

Name _____

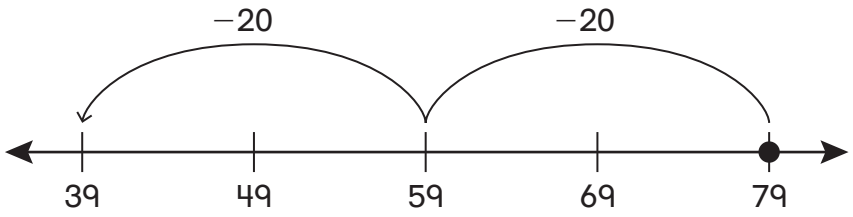
Apply and Grow: Practice

3. $60 - 40 =$ _____

4. $71 - 20 =$ _____

5. $46 - 30 =$ _____

6. MP **YOU BE THE TEACHER** Your friend shows $79 - 40$ on a number line. Is your friend correct? Explain.



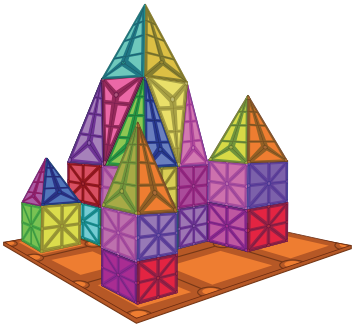
$79 - 40 = 39$

_____

_____

Think and Grow: Modeling Real Life

You have a 74-piece set of magnetic tiles. You use 60 of them to make buildings. How many pieces are left?



Subtraction equation:

Model:

_____ pieces

Show and Grow *I can think deeper!*

7. A clown has 62 balloons. She uses 40 of them to make balloon animals. How many balloons are left?

_____ balloons

8. **DIG DEEPER!** There are 35 people at a park. 20 of them leave. Then 10 more arrive at the park. How many people are at the park now?

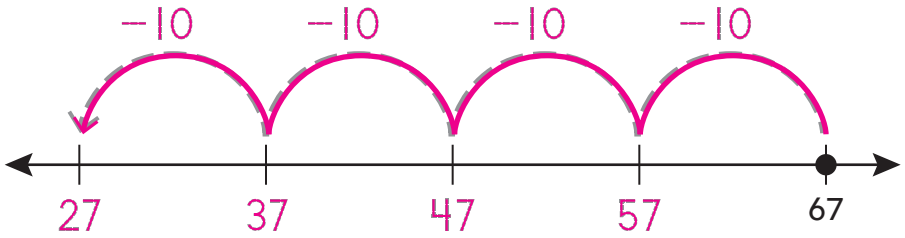
_____ people

Name _____

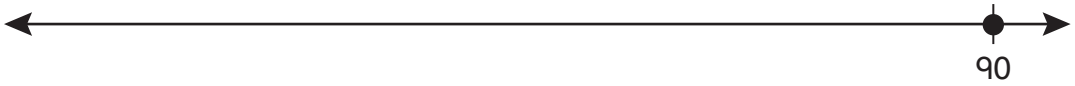
Practice 5.1

Learning Target: Use an open number line to subtract tens.

$67 - 40 = \underline{27}$



1. $90 - 50 =$ _____

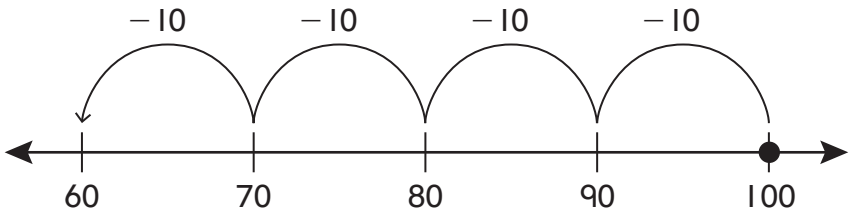


2. $84 - 60 =$ _____

3. $22 - 10 =$ _____

4. $54 - 50 =$ _____

5. **Structure** Write the equation shown by the number line.



_____ − _____ = _____

6. **Modeling Real Life** There are 52 cards in a deck. You pass out 20 of them. How many cards are left in the deck?

_____ cards

7. **Does It Make Sense?** There are 48 chicks. 38 are yellow. The rest are either black or brown. Can 20 chicks be brown? Explain.

_____

_____

Review & Refresh

8.
$$\begin{array}{r} 26 \\ +\ 25 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 64 \\ +\ 29 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 37 \\ +\ 17 \\ \hline \end{array}$$

Name _____

Subtract Tens and Ones Using a Number Line

5.2

Learning Target: Use an open number line to subtract tens and ones.

Explore and Grow

Color to show how you can use the hundred chart to solve.

$50 - 24 =$ _____ $78 - 26 =$ _____

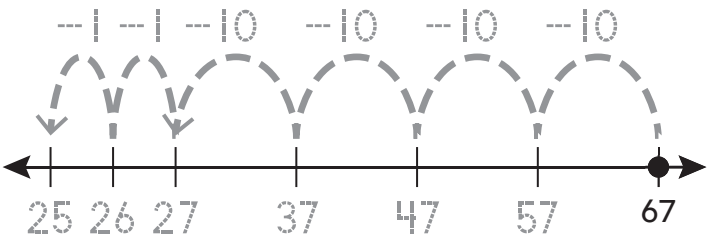
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Think and Grow

$67 - 42 = ?$

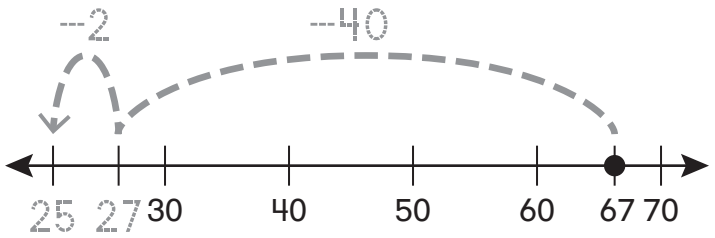
Start at 67. Count back by tens, then by ones.

One Way:



Another Way:

Make larger jumps.



$67 - 42 = \underline{25}$

Show and Grow *I can do it!*

1. $80 - 34 =$ _____

2. $56 - 23 =$ _____

Name _____

Apply and Grow: Practice

3. $74 - 51 =$ _____

4. $86 - 44 =$ _____

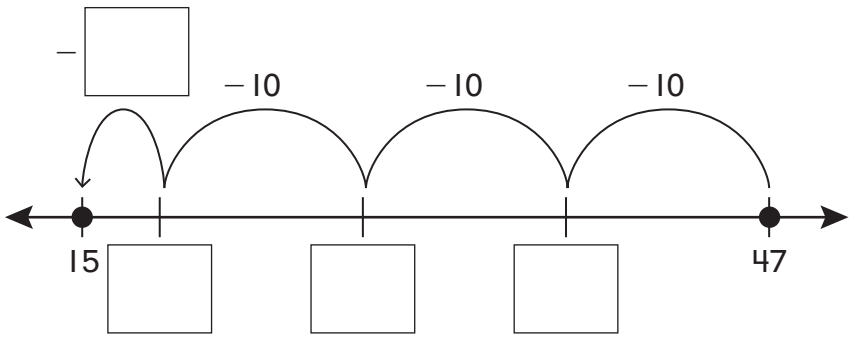
5. $97 - 61 =$ _____

6. $46 - 15 =$ _____

7. $69 - 35 =$ _____

8. $38 - 22 =$ _____

9. MP **Reasoning** Complete the number line and the equation.



_____ − _____ = _____

Think and Grow: Modeling Real Life

You have 85 baseball cards and 54 football cards. How many more baseball cards do you have?

Subtraction equation:

Model:

_____ more baseball cards

Show and Grow *I can think deeper!*

10. A carnival has 17 rides and 48 games. How many more games are there?

_____ more games

Use Math Tools
How can you use a drawing to help organize the information given?

11. **DIG DEEPER!** There are 63 people in a theater, 21 people in the lobby, and 10 people in the parking lot. How many more people are in the theater than in both the lobby and the parking lot?

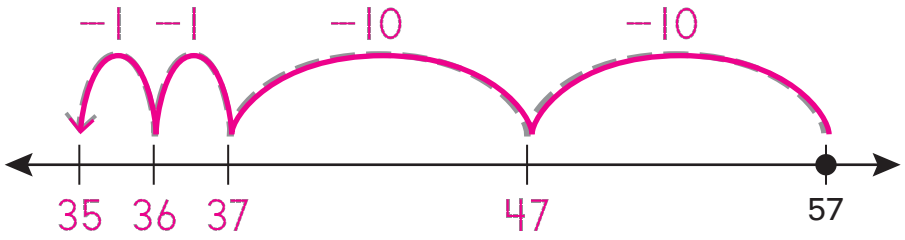
_____ more people

Name _____

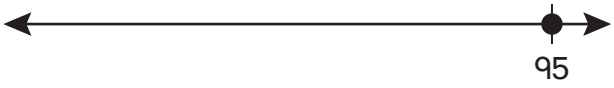
Practice 5.2

Learning Target: Use an open number line to subtract tens and ones.

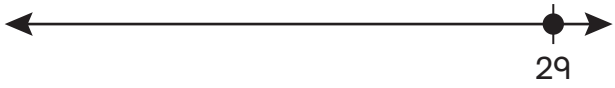
$57 - 22 = 35$



1. $95 - 40 =$ _____



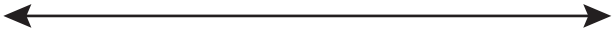
2. $29 - 12 =$ _____



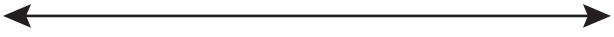
3. $58 - 14 =$ _____

4. $77 - 31 =$ _____

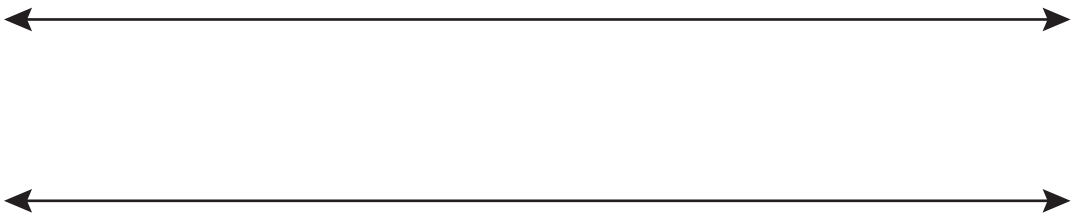
5. $86 - 26 =$ _____



6. $70 - 18 =$ _____

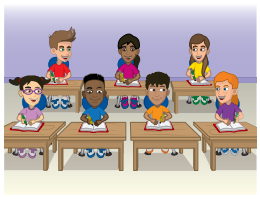


7. MP **Structure** Use the number lines to show $84 - 62$ in two ways.



$84 - 62 =$ _____

8. MP **Modeling Real Life** Your classroom has 26 desks and 38 chairs. How many more chairs are there?



_____ chairs

9. MP **Does It Make Sense?** Descartes collects 63 clams. He loses 21 of them. Newton collects 58 clams, and then loses some. Newton now has more clams than Descartes. Could Newton have lost 25 clams? Explain.

_____

_____

Review & Refresh

Is the number even or odd?

10. 8

Even Odd

11. 13

Even Odd

Name _____

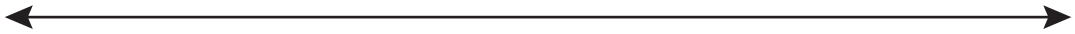
Use Addition to Subtract 5.3

Learning Target: Use addition to subtract on an open number line.

Explore and Grow

Show how you can use a number line to solve.

$52 - 29 = \_\_\_\_\_$



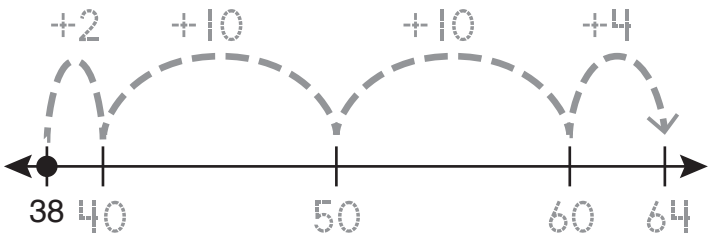
MP Use a Similar Problem
How are the equations related?

$29 + \_\_\_\_\_ = 52$

Think and Grow

You can use addition to subtract. Start at 38. Add 2 to get to 40. Then add 10, and 10 again to get to 60. Then add 4 to get to 64.

$64 - 38 = ?$



Add your jumps to find the difference.

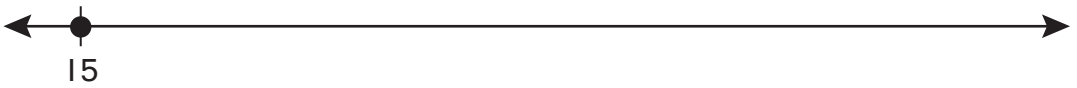
$\underline{2} + \underline{10} + \underline{10} + \underline{4} = \underline{26}$

$64 - 38 = \underline{26}$

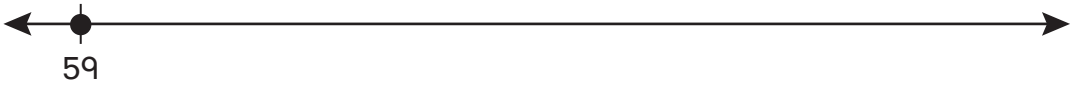
Show and Grow *I can do it!*

Add to find the difference.

1. $43 - 15 = \_\_\_\_$



2. $76 - 59 = \_\_\_\_$



Name _____

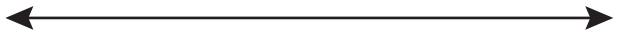
Apply and Grow: Practice

Add to find the difference.

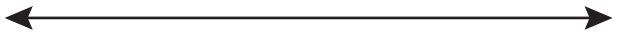
3. 56 − 27 = _____

4. 21 − 13 = _____

5. 72 − 57 = _____



6. 33 − 15 = _____



7. 45 − 36 = _____

8. 61 − 46 = _____

9. MP **Structure** Use addition and the number lines to show 64 − 35 in two ways.

64 − 35 = _____

Think and Grow: Modeling Real Life

A ship has a crew of 52 pirates. Some of them leave. There are 27 left. How many pirates got off the ship?

Model:

Equations:

_____ pirates

Show and Grow *I can think deeper!*

10. A pumpkin patch has 85 pumpkins. Some of them are picked. There are 48 left. How many pumpkins were picked?

_____ pumpkins

11. **DIG DEEPER!** There are 96 treats in a bowl. Newton takes 15 treats. Descartes takes some treats. There are 68 treats left. How many treats did Descartes take?

_____ treats

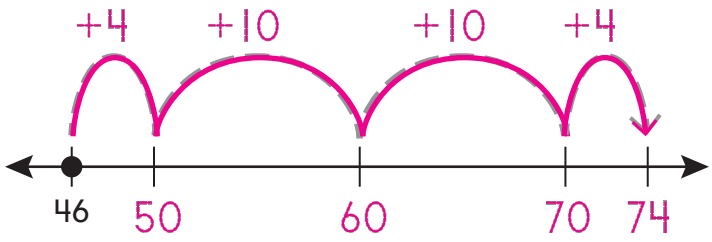
Name _____

Practice 5.3

Learning Target: Use addition to subtract on an open number line.

Add your jumps to find the difference.

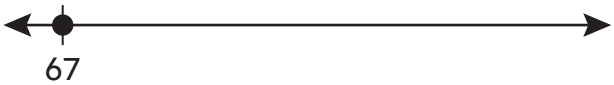
$74 - 46 = \underline{28}$



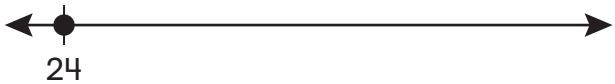
$\underline{4} + \underline{10} + \underline{10} + \underline{4} = \underline{28}$

Add to find the difference.

1. $92 - 67 = \_\_\_\_\_$



2. $43 - 24 = \_\_\_\_\_$



3. $71 - 42 = \_\_\_\_\_$

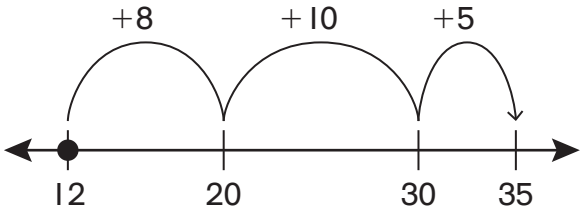
4. $63 - 58 = \_\_\_\_\_$

5. $55 - 19 = \_\_\_\_\_$

6. $86 - 29 = \_\_\_\_\_$

7. MP **YOU BE THE TEACHER** Descartes adds to find 35 − 12. Is he correct? Explain.

$$35 - 12 = 23$$



8. MP **Modeling Real Life** A farmer has 96 cornstalks. Some of them are sold. There are 38 left. How many cornstalks were sold?

_____ cornstalks

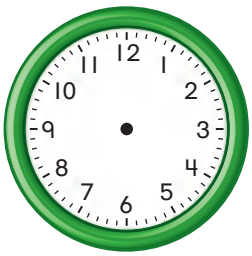
9. DIG DEEPER! There are 56 bouncy balls in a pack. Your friend takes some. You take 23. There are 23 bouncy balls left. How many did your friend take?

_____ bouncy balls

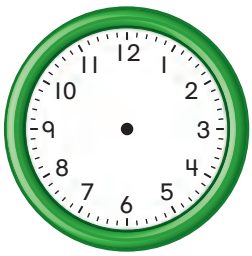
Review & Refresh

Draw to show the time.

10. 2:30



11. 11 o'clock



Name _____

Decompose to Subtract 5.4

Learning Target: Break apart one-digit numbers to subtract.

Explore and Grow

Color to show how you can get to a decade number by subtracting.

$$36 - \_\_\_\_\_ = 30$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

How can the equation above help you find 36 − 9?

_____

_____

_____

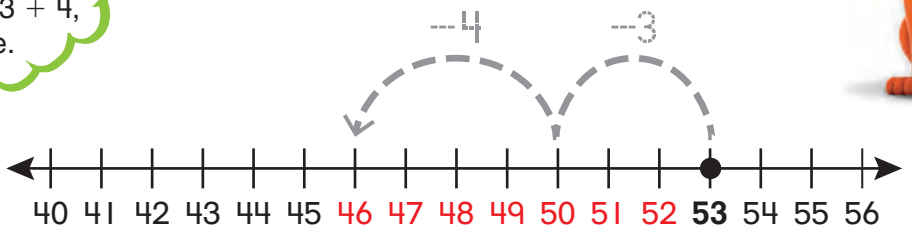
Think and Grow

$53 - 7 = ?$

$3 + 4$

Break apart 7. Starting at 53, subtract 3 to get to 50. Because $7 = 3 + 4$, subtract 4 more.

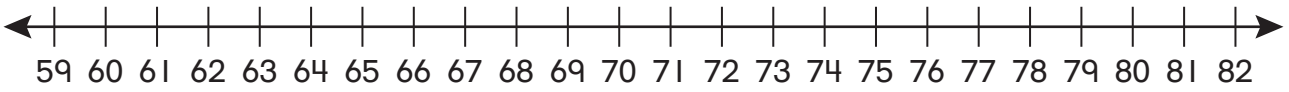
$53 - 3 = 50$ and $50 - 4 = 46$.



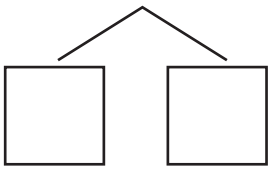
So, $53 - 7 =$ 46.

Show and Grow *I can do it!*

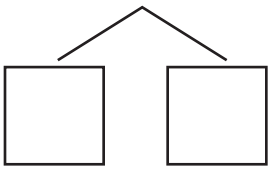
Break apart the number being subtracted. Then find the difference. Use the number line to help.



1. $64 - 5 =$ _____



2. $77 - 8 =$ _____



3. $75 - 7 =$ _____

4. $82 - 6 =$ _____

Name _____

Apply and Grow: Practice

Break apart the number being subtracted. Then find the difference.

5. 47 − 8 = _____

6. 56 − 9 = _____

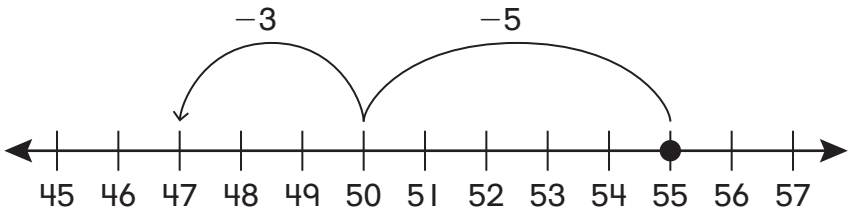
7. 43 − 5 = _____

8. 62 − 6 = _____

9. _____ = 41 − 4

10. _____ = 44 − 7

11. MP **Reasoning** Which equation is shown by the number line?



50 + 5 = 55 55 − 8 = 47 47 + 3 = 50

Think and Grow: Modeling Real Life

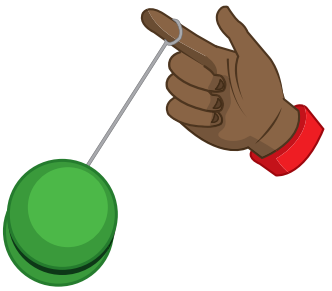
Your friend has 45 comic books. You have 8 fewer. How many comic books do you have?

Subtraction equation:

_____ comic books

Show and Grow *I can think deeper!*

12. Your friend can do 33 tricks on a yo-yo. You can do 9 fewer. How many tricks can you do?



_____ tricks

13. Descartes's walk was 8 minutes longer than Newton's. Descartes's walk was 56 minutes. How long was Newton's walk?

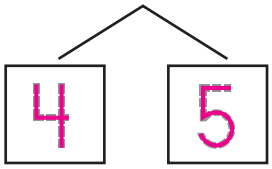
_____ minutes

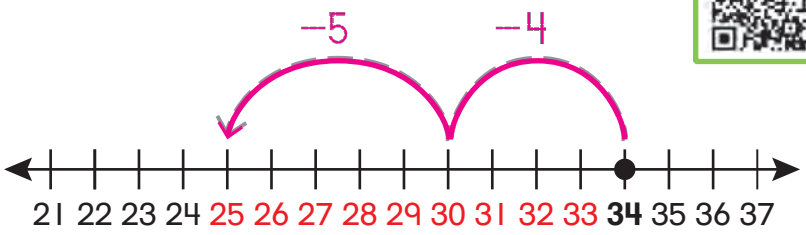
Name _____

Practice 5.4

Learning Target: Break apart one-digit numbers to subtract.

$34 - 9 = ?$

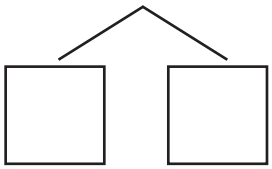




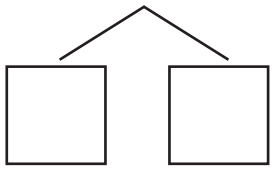
So, $34 - 9 =$ 25.

Break apart the number being subtracted. Then find the difference. Use the number line to help.

1. $95 - 6 =$ _____



2. $86 - 8 =$ _____



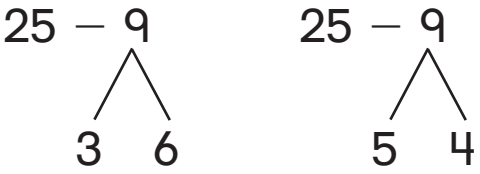
3. $89 - 9 =$ _____

4. $82 - 7 =$ _____

5. _____ $= 83 - 5$

6. _____ $= 98 - 9$

7. **Number Sense** Which way would you break apart 9 to find 25 − 9? Explain. Then find the difference.



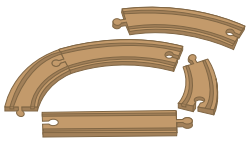
25 − 9 = _____

_____

_____

_____

8. **Modeling Real Life** You build a train track with 32 pieces. You remove 6 pieces. How many pieces does the train track have now?



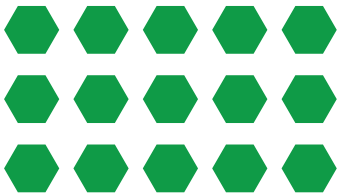
_____ pieces

9. **Modeling Real Life** A vendor has 41 dream catchers with feathers and 35 dream catchers with beads. She sells all but 8 of them. How many dream catchers does she sell?

_____ dream catchers

Review & Refresh

10.



_____ rows of _____

_____ + _____ + _____ = _____

Name _____

Decompose to Subtract Tens and Ones

5.5

Learning Target: Break apart two-digit numbers to subtract.

Explore and Grow

Color to show how you can break apart 16 to find the difference.

$$43 - 16 = \_\_\_\_\_$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Explain your strategy.

_____

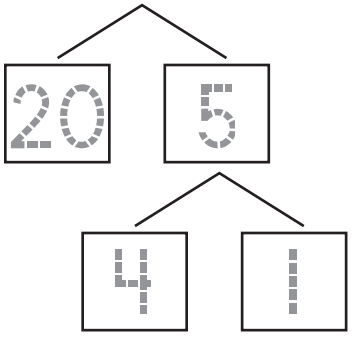
_____

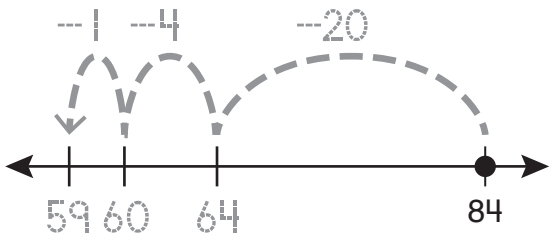
_____

Think and Grow

Break apart 25 into tens and ones. Starting at 84, subtract 20 to get to 64.

$84 - 25 = ?$





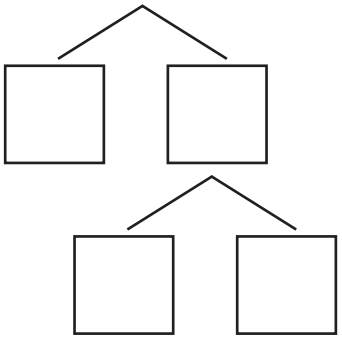
So, $84 - 25 =$ 59.

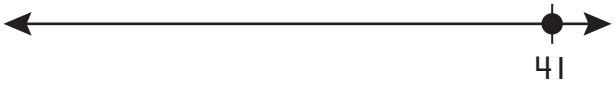
Break apart 5. Subtract 4 to get to 60. Then subtract 1 to get to 59.

Show and Grow *I can do it!*

Break apart the number being subtracted. Then find the difference.

1. $41 - 17 =$ _____





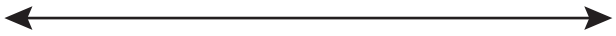
2. $63 - 26 =$ _____

Name _____

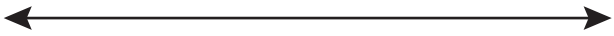
Apply and Grow: Practice

Break apart the number being subtracted. Then find the difference.

3. $32 - 13 =$ _____



4. $46 - 17 =$ _____



5. $93 - 45 =$ _____

6. $71 - 24 =$ _____

7. MP **Structure** Can you use the equations to find $87 - 29$?

$87 - 20 = 67$ $67 - 9 = 58$	$87 - 10 = 77$ $77 - 7 = 70$	$87 - 20 = 67$ $67 - 7 = 60$ $60 - 2 = 58$
Yes No	Yes No	Yes No

Think and Grow: Modeling Real Life

How many more pizzas do you sell than Newton?

Equation:

Number of Pizzas Sold	
You	72
Descartes	57
Newton	38

_____ more pizzas

How many fewer pizzas does Newton sell than Descartes?

_____ fewer pizzas

Show and Grow *I can think deeper!*

8. How many more tickets does Newton sell than Descartes?

Number of Tickets Sold	
You	59
Descartes	47
Newton	85

_____ more tickets

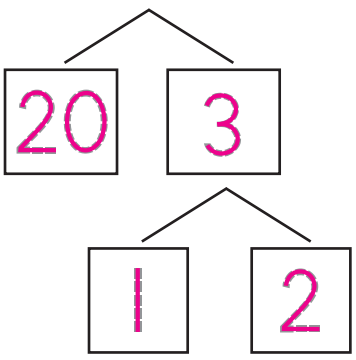
9. **DIG DEEPER!** Your friend picks 49 apples. 11 apples are green and 14 apples are red. The rest are yellow. How many apples are yellow?

_____ yellow apples

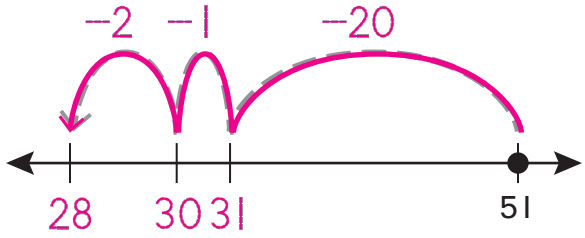
Name _____

Learning Target: Break apart two-digit numbers to subtract.

51 − 23



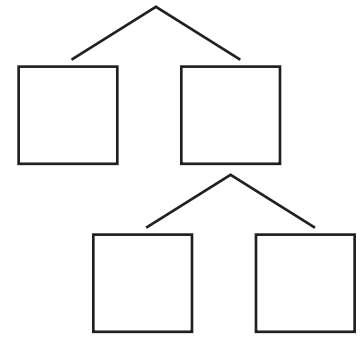
51 − 23 = ?



So, 51 − 23 = 28.

Break apart the number being subtracted. Then find the difference.

1. 45 − 16 = _____



2. 52 − 27 = _____

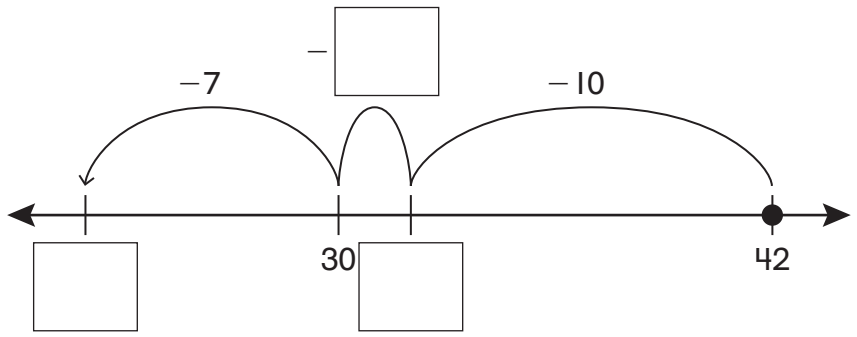
3. 84 − 55 = _____

4. 76 − 29 = _____

5. _____ = 23 − 14

6. _____ = 68 − 49

7. **Reasoning** Complete the number line and the equation.



_____ − _____ = _____

8. **Modeling Real Life** How many more cups does Descartes sell than Newton?

Number of Cups Sold	
Descartes	62
Newton	21

_____ more cups

9. **DIG DEEPER!** In Exercise 8, 100 cups are sold for the day. Newton sold the rest. How many cups did Newton sell?

_____ cups

Review & Refresh

10. 47 + 32 = _____

11. 74 + 15 = _____

Name _____

Use Compensation to Subtract 5.6

Learning Target: Use compensation to subtract.

Explore and Grow

Use mental math to find each difference.

$41 - 20 =$ _____	$41 - 20 =$ _____
$41 - 19 =$ _____	$41 - 21 =$ _____
$41 - 20 =$ _____	$41 - 20 =$ _____
$41 - 18 =$ _____	$41 - 22 =$ _____
$41 - 20 =$ _____	$41 - 20 =$ _____
$41 - 17 =$ _____	$41 - 23 =$ _____

MP **Repeated Reasoning** How did you use mental math and $41 - 20$ to find each difference?

_____

_____

_____

Think and Grow

It is easier to subtract 30 than to subtract 28. You subtract 2 *more* than 28, so you must *add* 2 to 43 to find the answer.

$73 - 28 = ?$

$\downarrow +2$

$73 - 30 = 43$

$\downarrow +2$

$73 - 28 = 45$

You subtract 3 *less* than 43, so you must *subtract* 3 from 39 to find the answer.

$79 - 43 = ?$

$\downarrow -3$

$79 - 40 = 39$

$\downarrow -3$

$79 - 43 = 36$

Show and Grow *I can do it!*

Use compensation to subtract.

1. $46 - 9 = ?$

$\downarrow +1$

$46 - \_\_\_\_ = \_\_\_\_$

$\downarrow +1$

$46 - 9 = \_\_\_\_$

2. $88 - 41 = ?$

$\downarrow -1$

$88 - \_\_\_\_ = \_\_\_\_$

$\downarrow -1$

$88 - 41 = \_\_\_\_$

3. $62 - 37 = ?$

$\downarrow \square$

$62 - \_\_\_\_ = \_\_\_\_$

$\downarrow \square$

$62 - 37 = \_\_\_\_$

4. $51 - 26 = ?$

$\downarrow \square$

$51 - \_\_\_\_ = \_\_\_\_$

$\downarrow \square$

$51 - 26 = \_\_\_\_$

Name _____

Apply and Grow: Practice

Use compensation to subtract.

5. 49 − 31 = ?

49 − ____ = ____

49 − 31 = ____

6. 88 − 56 = ?

88 − ____ = ____

88 − 56 = ____

7. 75 − 18 = ?

75 − ____ = ____

75 − 18 = ____

8. 64 − 24 = ?

64 − ____ = ____

64 − 24 = ____

9. 35 − 7 = _____

10. 53 − 37 = _____

11. **Maintain Accuracy** Match the expressions that have the same difference.

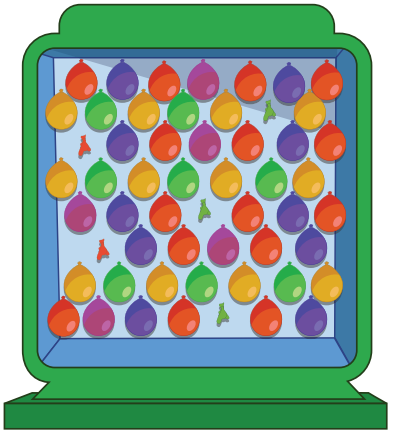
81 − 42 76 − 33 78 − 54

74 − 50 79 − 40 73 − 30

Think and Grow: Modeling Real Life

You blow up 57 balloons for a carnival game. Some of them pop. There are 29 left. How many balloons popped?

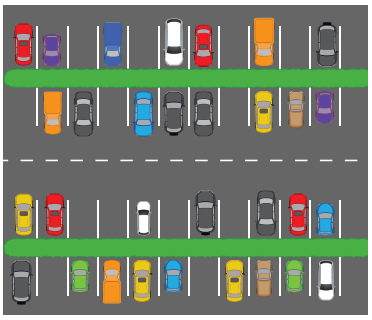
Subtraction equation:



_____ balloons

Show and Grow *I can think deeper!*

12. There are 66 cars in a parking lot. Some of them leave. There are 31 left. How many cars leave the parking lot?



_____ cars

13. You have 78 pictures on your tablet. You take 4 more pictures. Then you delete 17. How many pictures are on your tablet now?

_____ pictures

14. You pick 59 strawberries. You eat 5 of them. Then you give 22 to your friend. How many strawberries do you have left?

_____ strawberries

Name _____

Practice 5.6

Learning Target: Use compensation to subtract.

$55 - 37 = ?$

$\downarrow + 3$

$55 - 40 = 15$

$\downarrow + 3$

$55 - 37 = 18$

Use compensation to subtract.

1. $42 - 21 = ?$

$\downarrow - 1$

$42 - \_\_\_\_ = \_\_\_\_$

$42 - 21 = \_\_\_\_$ $\downarrow - 1$

2. $94 - 48 = ?$

$\downarrow + 2$

$94 - \_\_\_\_ = \_\_\_\_$

$94 - 48 = \_\_\_\_$ $\downarrow + 2$

3. $84 - 71 = ?$

$\downarrow \square$

$84 - \_\_\_\_ = \_\_\_\_$

$84 - 71 = \_\_\_\_$ $\downarrow \square$

4. $59 - 33 = ?$

$\downarrow \square$

$59 - \_\_\_\_ = \_\_\_\_$

$59 - 33 = \_\_\_\_$ $\downarrow \square$

5. $27 - 6 = \_\_\_\_$

6. $67 - 14 = \_\_\_\_$

7. **Reasoning** Use the numbers to complete the problem.

50	2	13
15	2	

$63 - 48 = ?$

$\downarrow + \_\_\_\_$

$63 - \_\_\_\_ = \_\_\_\_$

$63 - 48 = \_\_\_\_$ $\downarrow + \_\_\_\_$

8. **Modeling Real Life** There are 36 boats on a lake. Some of them leave. There are 21 boats left. How many boats leave the lake?

_____ boats

9. **Modeling Real Life** A city bus has 56 seats. There are 23 children and 18 adults sitting in seats. The rest of the seats are empty. How many seats are empty?

_____ seats

Review & Refresh

10. Circle groups of 3. Write a repeated addition equation to match.

____ groups of 3 ____ + ____ + ____ + ____ = ____

Name _____

Practice Subtraction Strategies 5.7

Learning Target: Choose a strategy to subtract.

Explore and Grow

Use any strategy to find the difference.

$76 - 34 = \_\_\_\_\_$

Compare Arguments Compare your strategy to your partner's strategy. Which strategy makes the most sense to use with these numbers?

_____

_____

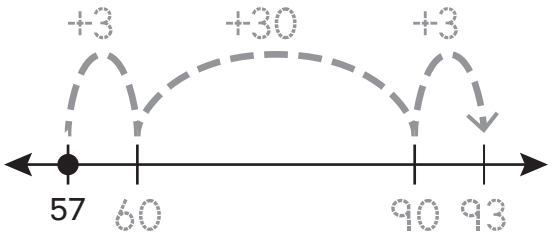
_____

Think and Grow

$93 - 57 = ?$

One Way:

Use addition.



$3 + 30 + 3 = 36$

So, $93 - 57 = 36$.

Another Way:

Use compensation.

$93 - 57 = ?$

$+ 3$

$93 - 60 = 33$

$+ 3$

$93 - 57 = 36$

Show and Grow *I can do it!*

1. $81 - 50 =$ _____

2. $94 - 8 =$ _____

3. $58 - 49 =$ _____

4. $77 - 35 =$ _____

Name _____

Apply and Grow: Practice

5. $97 - 71 =$ _____

6. $68 - 9 =$ _____

7. $52 - 28 =$ _____

8. $83 - 60 =$ _____

9. _____ $= 75 - 11$

10. _____ $= 46 - 35$

11. MP **YOU BE THE TEACHER** Your friend uses compensation to subtract. Is your friend correct? Explain.

$35 - 29 = ?$

$\downarrow +1$

$35 - 30 = 5$

_____

_____

_____

12. A store has 38 hats. 17 of them are sold. How many hats are left?

_____ hats

Think and Grow: Modeling Real Life

You have 41 toys. You put some away. There are 22 toys left. How many toys did you put away?

Subtraction equation:

_____ toys

Show and Grow *I can think deeper!*

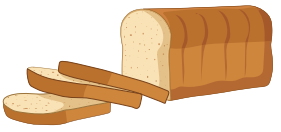
13. A teacher has 62 prizes. He gives some away. There are 26 left. How many prizes did the teacher give away?

_____ prizes

14. A roller-skating rink rents 28 pairs of skates. There are 52 pairs left. How many pairs of skates were there to start?

_____ pairs of skates

15. A baker has 16 loaves of french bread and 31 loaves of wheat bread. She sells 18 loaves. How many loaves does the baker have left?



_____ loaves

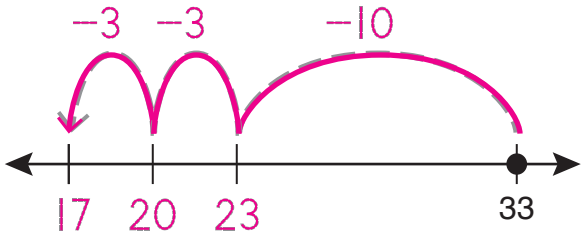
Name _____

Learning Target: Choose a strategy to subtract.

$33 - 16 = ?$

One Way:

Use a number line.



$33 - 16 = \underline{17}$

Another Way:

Use compensation.

$33 - 16 = ?$

$+ 4$

$33 - \underline{20} = 13$

$+ 4$

$33 - 16 = \underline{17}$

1. $50 - 20 =$ _____

2. $62 - 30 =$ _____

3. $88 - 64 =$ _____

4. $42 - 17 =$ _____

5. _____ $= 97 - 56$

6. _____ $= 71 - 18$

7. **Maintain Accuracy** Which expressions have a difference of 24?

$44 - 20$ $\qquad$ $24 - 10$

$32 - 8$ $\qquad$ $76 - 50 - 2$ $\qquad$ $40 - 22$

8. **Modeling Real Life** 27 dogs were adopted from a shelter. There are 14 left. How many dogs were there to start?

_____ dogs

9. **Modeling Real Life** 86 hot dogs were sold at a baseball game. There are 14 left. How many hot dogs were there to start?

_____ hot dogs

10. DIG DEEPER! Complete the equation. Write a subtraction story to match.

$25 - \_\_\_\_\_ = 12$

_____

_____

Review & Refresh

11. Circle the shapes that show halves.

Name _____

Problem Solving: Subtraction 5.8

Learning Target: Solve two-step subtraction problems.

Explore and Grow

Model the story.

Newton collects 58 flowers. He gives 27 away. How many flowers does Newton have left?

_____ flowers

Newton gives 11 more flowers away. How many flowers does Newton have now?

_____ flowers

Think and Grow

There are 53 people on a bus. 9 exit at the first stop. 17 exit at the second stop. How many people are still on the bus?

Circle what you know. Underline what you need to find.

Solve:

Step 1: Find the number of people on the bus after the first stop.

$53 - 9 = ?$

$9 + 1 = 10$

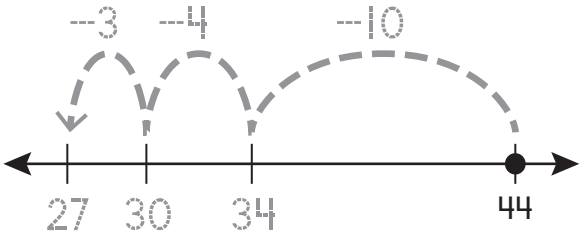
$53 - 10 = 43$

$43 + 1 = 44$

$53 - 9 = 44$

Step 2: Subtract the number of people who exit at the second stop from your result in Step 1.

$44 - 17 = ?$



$44 - 17 = 27$

27 people

Show and Grow *I can do it!*

1. There are 60 kids at a summer camp. 26 are swimming. 15 are playing soccer. The rest are hiking. How many kids are hiking?

_____ kids

Name _____

Apply and Grow: Practice

2. Your class recycles 72 cans. You collected 18 of them. Your friend collected 9. The other students collected the rest. How many cans did the other students collect?

_____ cans

3. 98 people visit the library in a week. 34 visit on Monday. 14 visit on Tuesday. How many people visit the library the rest of the week?

_____ people

4. You have 61 stickers. You give 24 stickers to your friend. Then you get 6 more stickers. How many stickers do you have now?

_____ stickers

Think and Grow: Modeling Real Life

You collect 47 pine cones. Your friend collects 21 fewer than you. How many pine cones do you and your friend collect in all?

Circle what you know.

Underline what you need to find.

Solve:

_____ pine cones

Show and Grow *I can think deeper!*

5. A garbage truck collects trash from 68 trash cans. Another truck collects trash from 39 fewer cans. How many cans of trash do the trucks collect from in all?

_____ trash cans

MP Communicate Clearly Explain the steps you used to solve the problem.

_____

_____

Name _____

Practice 5.8

Learning Target: Solve two-step subtraction problems.

You have 43 toys. 15 are in your bedroom. 12 are in the living room. The rest are in your toy box.

How many toys are left in your toy box?

Circle what you know. Underline what you need to find.

Solve:

Step 1: Find the number of toys that are not in your room.

43 − 15 = ?

⊕ 5

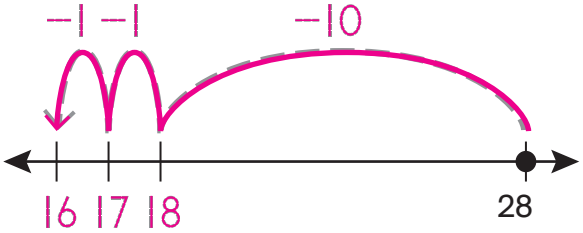
43 − 20 = 23

⊕ 5

43 − 15 = 28

Step 2: Subtract the number of toys in the living room from your result in Step 1.

28 − 12 = ?



28 − 12 = 16

16 toys

1. There are 39 people in a pool. 8 are floating on rafts. 11 are playing a game. The rest are swimming laps. How many people are swimming laps?

_____ people

2. DIG DEEPER! Find each difference. Write a subtraction story to match.

$65 - 19 =$ _____ $46 - 12 =$ _____

_____

_____

3. MP **Modeling Real Life** You use 76 craft sticks. Your friend uses 62 fewer than you. How many craft sticks do you and your friend use in all?

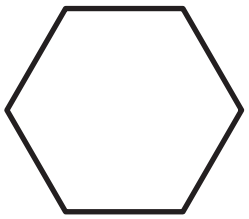
_____ craft sticks

4. MP **Modeling Real Life** You put 52 photos in an album. Your friend puts in 17 fewer than you. How many photos do you and your friend put in the album in all?

_____ photos

Review & Refresh

5.

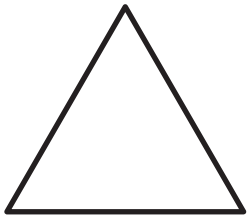


hexagon

_____ straight sides

_____ vertices

6.



triangle

_____ straight sides

_____ vertices

Name _____

Performance Task 5

A science class uses an incubator to hatch chicken eggs.

1. The temperature of the incubator must be 99°F. The current temperature is 25°F less than the correct temperature. What is the current temperature?

_____ °F

2. a. The school has 4 incubators. Each one has 8 eggs. Each egg must be rotated 3 times every day. How many total rotations must be made to all of the eggs in all 4 incubators?

_____ rotations

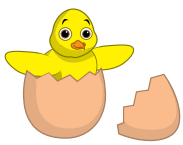
b. Two of your friends each complete 25 rotations. How many rotations are left?

_____ rotations

3. a. The first egg hatches at 11:00. The second egg hatches a half hour later. What time does the second egg hatch?

_____

b. The third egg hatches an hour after the second egg. What time does the third egg hatch?



_____

Three in a Row: Subtraction

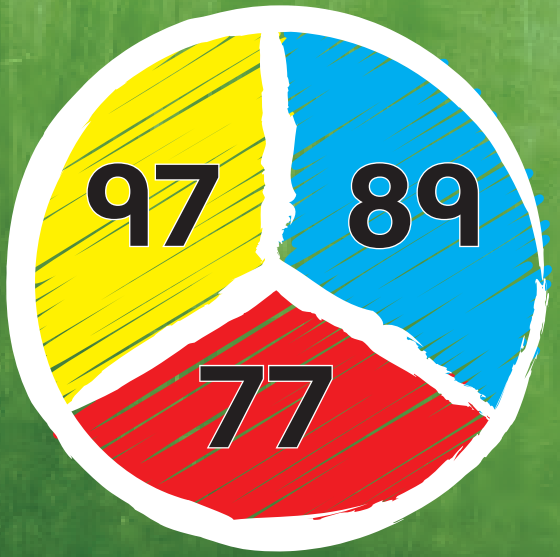
To Play: Players take turns. On your turn, spin both spinners. Subtract the numbers, and cover the difference on the game board. Continue until someone gets three in a row.

Game A

61	41	15
53	44	35
32	27	52

Game B

44	52	35
32	15	61
27	53	41



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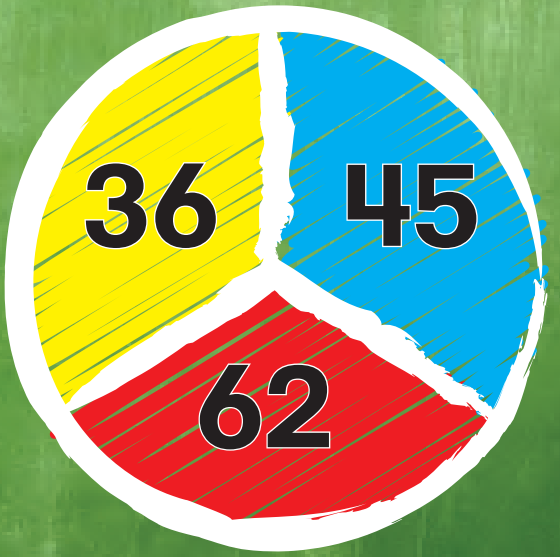


Name _____

Chapter Practice 5

5.1 Subtract Tens Using a Number Line

1. 90 − 40 = _____

2. 66 − 20 = _____

5.2 Subtract Tens and Ones Using a Number Line

3. 78 − 32 = _____

4. 49 − 16 = _____

5. **Modeling Real Life** You have 54 stickers and 21 key chains. How many more stickers do you have than key chains?

_____ stickers

5.3 Use Addition to Subtract

Add to find the difference.

6. 44 − 28 = _____

7. 84 − 56 = _____

5.4 Decompose to Subtract

Break apart the number being subtracted. Then find the difference.

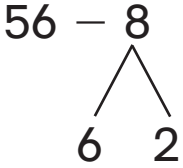
8. 44 − 5 = _____

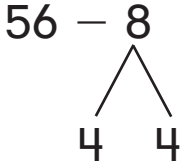
9. 82 − 7 = _____

10. 67 − 9 = _____

11. 32 − 4 = _____

12. MP **Number Sense** Which way would you break apart 8 to find 56 − 8? Explain.





_____

_____

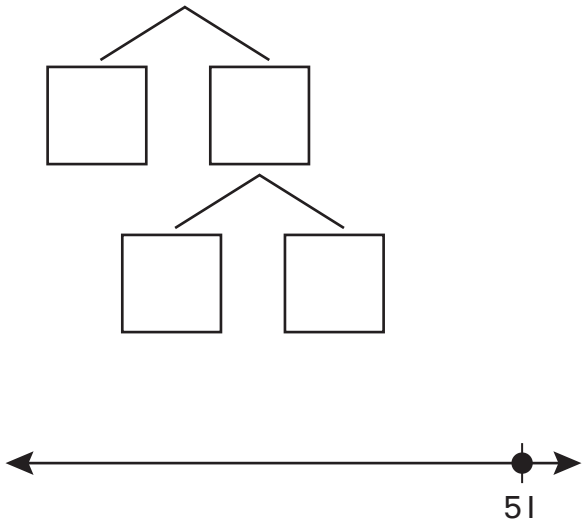
_____

_____

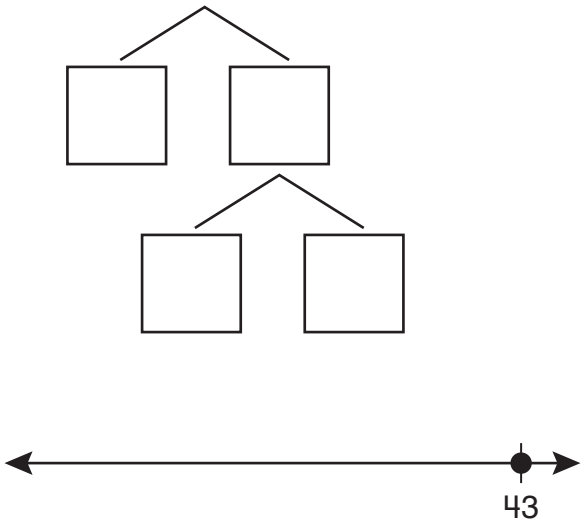
5.5 Decompose to Subtract Tens and Ones

Break apart the number being subtracted. Then find the difference.

13. 51 − 19 = _____



14. 43 − 25 = _____



5.6 Use Compensation to Subtract

Use compensation to subtract.

15. 42 − 21 = ?

42 − ____ = ____

42 − 21 = ____

16. 99 − 35 = ?

99 − ____ = ____

99 − 35 = ____

17. **Maintain Accuracy** Match the expressions that have the same difference.

47 − 22	48 − 15	46 − 34
43 − 10	45 − 20	42 − 30

5.7 Practice Subtraction Strategies

18. $58 - 36 =$ _____

19. $67 - 52 =$ _____

5.8 Problem Solving: Subtraction

20. There are 31 papers to pass out. You pass out 12 papers. Then you pass out 8 more. How many papers do you have left?

_____ papers

21. 47 students are on the playground. 23 fewer students are playing soccer than on the playground. How many students are on the playground and playing soccer in all?

_____ students