Chapter 5

School-Home Letter

Dear Family,

My class started Chapter 5 this week. In this chapter, I will learn how to solve 2-digit subtraction problems using different strategies.

Love, _____

Vocabulary

minus sign a symbol used in a subtraction problem

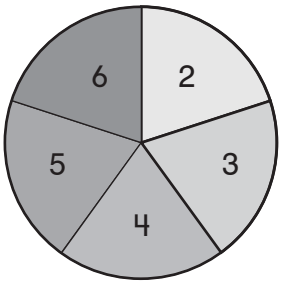
difference the answer to a subtraction problem

$$7 - 4 = 3$$

difference

Home Activity

Write 2-digit numbers, such as 56, 67, and 89, each on a separate index card. Use a pencil and a paper clip to make a pointer for the spinner. Have your child choose a card, spin the pointer, and subtract the number on the spinner from the number on the card.



Literature

Look for these books at the library. Read them with your child to reinforce learning.

The Action of Subtraction
by Brian P. Cleary
Millbrook Press, 2006

The Shark Swimathon
by Stuart J. Murphy
HarperCollins, 2001

Capítulo 5

Carta para la casa

Querida familia:

Mi clase comenzó el Capítulo 5 esta semana. En este capítulo, aprenderé a resolver problemas de resta de números de 2 dígitos usando estrategias diferentes.

Con cariño, _____

Vocabulario

signo de menos símbolo que se usa en un problema de resta

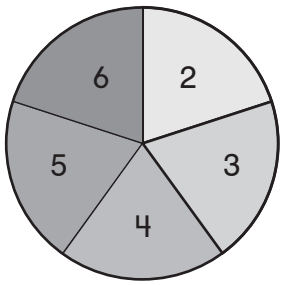
diferencia la respuesta a un problema de resta

$7 - 4 = 3$

diferencia

Actividad para la casa

Escriba números de 2 dígitos, como 56, 67 y 89, cada uno en una tarjeta. Con un lápiz y un clip, haga una flecha giratoria para la rueda. Pida a su hijo que elija una tarjeta, gire la flecha, y reste el número en que se detenga en la rueda del número de la tarjeta.



Literatura

Busque estos libros en la biblioteca. Léalos con su hijo para reforzar el aprendizaje.

The Action of Subtraction
por Brian P. Cleary
Millbrook Press, 2006

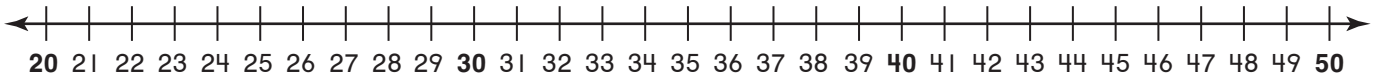
The Shark Swimathon
por Stuart J. Murphy
HarperCollins, 2001

Name _____

Algebra • Break Apart Ones to Subtract

COMMON CORE STANDARD MACC.2.NBT.2.5
Use place value understanding and properties of operations to add and subtract.

Break apart ones to subtract.
Write the difference.



1. $36 - 7 =$ _____	2. $35 - 8 =$ _____
3. $37 - 9 =$ _____	4. $41 - 6 =$ _____
5. $44 - 5 =$ _____	6. $33 - 7 =$ _____
7. $32 - 4 =$ _____	8. $31 - 6 =$ _____
9. $46 - 9 =$ _____	10. $43 - 5 =$ _____

PROBLEM SOLVING REAL WORLD

Choose a way to solve. Write or draw to explain.

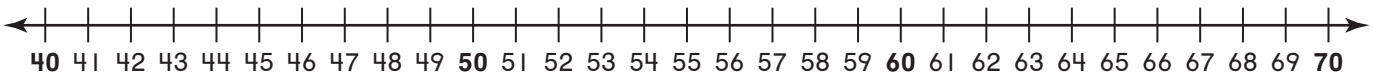
11. Beth had 44 marbles. She gave 9 marbles to her brother. How many marbles does Beth have now?

_____ marbles

Lesson Check (MACC.2.NBT.2.5)

PARCC TEST PREP

1. What is the difference?



$58 - 9 = \_\_\_\_$

67	51	49	41
○	○	○	○

Spiral Review (MACC.2.OA.2.2, MACC.2.NBT.2.6)

2. What is the difference? (Lesson 3.6)

$14 - 6 = \_\_\_\_$

- ○ 7
- ○ 8
- ○ 9
- ○ 10

3. What is the sum? (Lesson 3.4)

$3 + 6 + 2 = \_\_\_\_$

- ○ 11
- ○ 10
- ○ 9
- ○ 5

4. What is the sum? (Lesson 4.1)

$64 + 7 = \_\_\_\_$

- ○ 81
- ○ 73
- ○ 71
- ○ 68

5. What is the sum? (Lesson 4.2)

$56 + 18 = \_\_\_\_$

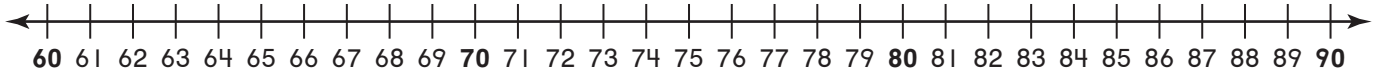
- ○ 74
- ○ 72
- ○ 64
- ○ 62

Name _____

Algebra • Break Apart Numbers to Subtract

COMMON CORE STANDARD MACC.2.NBT.2.5
Use place value understanding and properties of operations to add and subtract.

Break apart the number you are subtracting. Write the difference.



1. 81 − 14 = _____	2. 84 − 16 = _____
3. 77 − 14 = _____	4. 83 − 19 = _____
5. 81 − 17 = _____	6. 88 − 13 = _____
7. 84 − 19 = _____	8. 86 − 18 = _____
9. 84 − 17 = _____	10. 76 − 15 = _____
11. 86 − 12 = _____	12. 82 − 19 = _____

PROBLEM SOLVING REAL WORLD

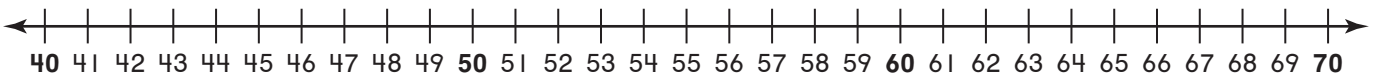
Solve. Write or draw to explain.

13. Mr. Pearce bought 43 plants. He gave 14 plants to his sister. How many plants does Mr. Pearce have now?

_____ plants

Lesson Check (MACC.2.NBT.2.5)

1. What is the difference?



$63 - 19 = \_\_\_\_$

82	56	44	36
○	○	○	○

Spiral Review (MACC.2.OA.1.1, MACC.2.OA.2.2, MACC.2.NBT.2.6)

2. What is the sum? (Lesson 4.3)

$$\begin{array}{r} 14 \\ +\ 23 \\ \hline \end{array}$$

○ 11
○ 31
○ 37
○ 47

3. What is the sum? (Lesson 3.1)

$8 + 7 = \_\_\_\_$

○ 1
○ 14
○ 15
○ 16

4. Which is a related subtraction fact for $6 + 8 = 14$? (Lesson 3.5)

○ $18 - 6 = 12$
○ $16 - 8 = 8$
○ $14 - 8 = 6$
○ $8 - 2 = 6$

5. John has 7 kites. Annie has 4 kites. How many kites do they have altogether? (Lesson 3.9)

○ 12
○ 11
○ 7
○ 3

Name _____

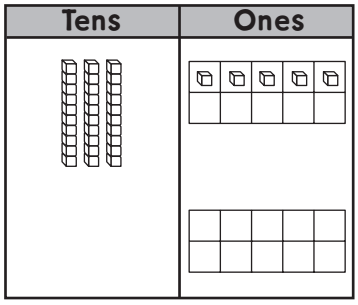
Model Regrouping for Subtraction

COMMON CORE STANDARDS MACC.2.NBT.2.9, MACC.2.NBT.2.5

Use place value understanding and properties of operations to add and subtract.

Draw to show the regrouping. Write the difference two ways. Write the tens and ones. Write the number.

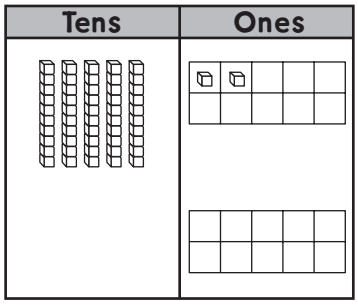
1. Subtract 9 from 35.



_____ tens _____ ones

_____

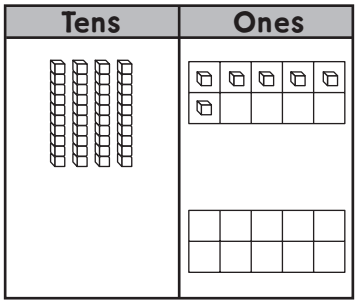
2. Subtract 14 from 52.



_____ tens _____ ones

_____

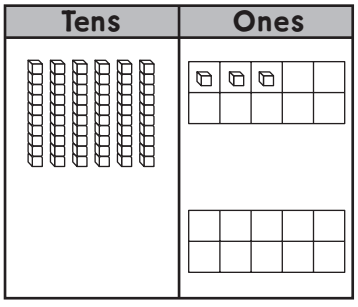
3. Subtract 17 from 46.



_____ tens _____ ones

_____

4. Subtract 28 from 63.



_____ tens _____ ones

_____

PROBLEM SOLVING REAL WORLD

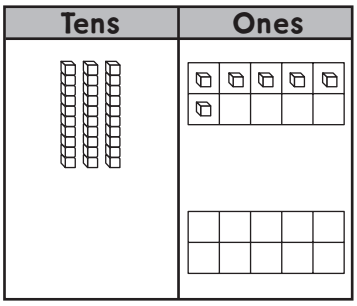
Choose a way to solve. Write or draw to explain.

5. Mr. Ortega made 51 cookies. He gave 14 cookies away. How many cookies does he have now?

_____ cookies

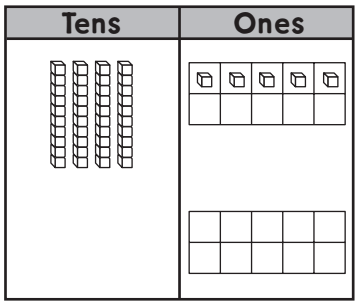
Lesson Check (MACC.2.NBT.2.9, MACC.2.NBT.2.5)

1. Subtract 9 from 36. What is the difference?



○ 45 ○ 26
○ 27 ○ 7

2. Subtract 28 from 45. What is the difference?

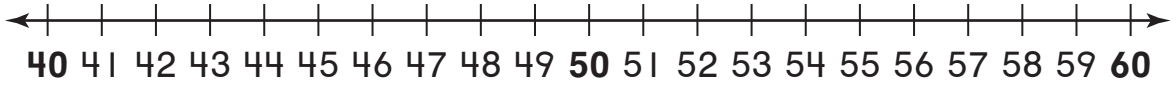


○ 73 ○ 23
○ 37 ○ 17

Spiral Review (MACC.2.NBT.2.5, MACC.2.NBT.2.6)

3. What is the difference? (Lesson 5.1)

$$51 - 8 = \_\_\_\_$$



○ 41 ○ 43 ○ 57 ○ 59

4. What is the sum? (Lesson 4.2)

$$38 + 35 = \_\_\_\_$$

○ 63
○ 67
○ 73
○ 76

5. What is the sum? (Lesson 4.11)

$$\begin{array}{r} 63 \\ 18 \\ +\ 9 \\ \hline \end{array}$$

○ 62 ○ 87
○ 80 ○ 90

Name _____

Model and Record 2-Digit Subtraction

COMMON CORE STANDARD MACC.2.NBT.2.5
Use place value understanding and properties of operations to add and subtract.

Draw a quick picture to solve.
Write the difference.

1.

	Tens	Ones
	☐	☐
	4	3
−	1	7

Tens	Ones

2.

	Tens	Ones
	☐	☐
	3	8
−	2	9

Tens	Ones

3.

	Tens	Ones
	☐	☐
	5	2
−	3	7

Tens	Ones

4.

	Tens	Ones
	☐	☐
	3	5
−	1	9

Tens	Ones

PROBLEM SOLVING REAL WORLD

Solve. Write or draw to explain.

5. Kendall has 63 stickers.
Her sister has 57 stickers.
How many more stickers does Kendall have than her sister?

_____ more stickers

Lesson Check (MACC.2.NBT.2.5)

1. What is the difference?

	Tens	Ones
	□	□
	4	7
−	1	8

○ 55 ○ 29

○ 31 ○ 19

2. What is the difference?

	Tens	Ones
	□	□
	3	3
−	2	9

○ 16 ○ 8

○ 12 ○ 4

Spiral Review (MACC.2.OA.2.2, MACC.2.NBT.2.5, MACC.2.NBT.2.6)

3. What is the difference? (Lesson 3.6)

$10 - 6 = \_\_\_\_$

○ 5 ○ 3

○ 4 ○ 2

4. What is the sum? (Lesson 4.2)

$16 + 49 = \_\_\_\_$

○ 33 ○ 67

○ 65 ○ 75

5. What is the sum? (Lesson 4.1)

$28 + 8 = \_\_\_\_$

○ 36

○ 20

○ 18

○ 10

6. What is the difference? (Lesson 5.1)

$52 - 6 = \_\_\_\_$

○ 58

○ 50

○ 48

○ 46

Name _____

2-Digit Subtraction

COMMON CORE STANDARD MACC.2.NBT.2.5
Use place value understanding and properties of operations to add and subtract.

Regroup if you need to.
Write the difference.

1.

Tens	Ones
4	7
− 2	8

2.

Tens	Ones
3	3
− 1	8

3.

Tens	Ones
2	8
− 1	4

4.

Tens	Ones
6	6
− 1	9

5.

7	7
− 2	6

6.

5	8
− 3	4

7.

5	2
− 2	5

8.

8	7
− 4	9

PROBLEM SOLVING REAL WORLD

Solve. Write or draw to explain.

9. Mrs. Paul bought 32 erasers. She gave 19 erasers to students. How many erasers does she still have?

_____ erasers

Lesson Check (MACC.2.NBT.2.5)

1. What is the difference?

$$\begin{array}{r|l} 4 & 8 \\ -\ 3 & 9 \\ \hline & \end{array}$$

○ 9 ○ 11
○ 10 ○ 19

2. What is the difference?

$$\begin{array}{r|l} 8 & 4 \\ -\ 6 & 6 \\ \hline & \end{array}$$

○ 48 ○ 28
○ 38 ○ 18

Spiral Review (MACC.2.OA.1.1, MACC.2.OA.2.2, MACC.2.NBT.2.5)

3. What is the difference? (Lesson 5.4)

	Tens	Ones
	☐	☐
	3	2
−	1	9

○ 11
○ 13
○ 23
○ 51

4. Which of the following has the same sum as 8 + 7? (Lesson 3.3)

○ 10 + 2
○ 10 + 3
○ 10 + 5
○ 10 + 6

5. 27 boys and 23 girls go on a field trip to the museum. How many children go to the museum in all? (Lesson 4.9)

○ 40 ○ 50
○ 44 ○ 54

6. There were 17 berries in the basket. Then 9 berries are eaten. How many berries are there now? (Lesson 3.9)

○ 6 ○ 12
○ 8 ○ 26

Name _____

Practice 2-Digit Subtraction

COMMON CORE STANDARD MACC.2.NBT.2.5
Use place value understanding and properties of operations to add and subtract.

Write the difference.

1. $\begin{array}{r} 50 \\ -18 \\ \hline \end{array}$	**2.** $\begin{array}{r} 43 \\ -17 \\ \hline \end{array}$	**3.** $\begin{array}{r} 75 \\ -18 \\ \hline \end{array}$
4. $\begin{array}{r} 22 \\ -\ 6 \\ \hline \end{array}$	**5.** $\begin{array}{r} 60 \\ -35 \\ \hline \end{array}$	**6.** $\begin{array}{r} 42 \\ -34 \\ \hline \end{array}$
7. $\begin{array}{r} 21 \\ -\ 8 \\ \hline \end{array}$	**8.** $\begin{array}{r} 39 \\ -27 \\ \hline \end{array}$	**9.** $\begin{array}{r} 61 \\ -37 \\ \hline \end{array}$

PROBLEM SOLVING REAL WORLD

Solve. Write or draw to explain.

10. Julie has 42 sheets of paper. She gives 17 sheets to Kari. How many sheets of paper does Julie have now?

_____ sheets of paper

Lesson Check (MACC.2.NBT.2.5)

1. What is the difference?

$$\begin{array}{r} 73 \\ -\ 47 \\ \hline \end{array}$$

- ○ 24
- ○ 26
- ○ 34
- ○ 36

2. What is the difference?

$$\begin{array}{r} 54 \\ -\ 13 \\ \hline \end{array}$$

- ○ 31
- ○ 37
- ○ 39
- ○ 41

Spiral Review (MACC.2.OA.2.2, MACC.2.NBT.2.6)

3. What is the sum? (Lesson 3.2)

$9 + 9 = \_\_\_\_\_$

- ○ 20
- ○ 18
- ○ 9
- ○ 0

4. What is the difference? (Lesson 3.6)

$14 - 7 = \_\_\_\_\_$

- ○ 21
- ○ 13
- ○ 7
- ○ 6

5. What is the sum? (Lesson 4.2)

$36 + 25 = \_\_\_\_\_$

- ○ 61
- ○ 54
- ○ 51
- ○ 11

6. What is the sum? (Lesson 3.4)

$7 + 2 + 3 = \_\_\_\_\_$

- ○ 6
- ○ 11
- ○ 12
- ○ 14

Name _____

Rewrite 2-Digit Subtraction

COMMON CORE STANDARD MACC.2.NBT.2.5
Use place value understanding and properties of operations to add and subtract.

Rewrite the subtraction problem. Then find the difference.

1. 35 − 19 _____	2. 47 − 23 _____	3. 55 − 28 _____
4. 22 − 15 _____	5. 61 − 32 _____	6. 70 − 37 _____

PROBLEM SOLVING REAL WORLD

Solve. Write or draw to explain.

7. Jimmy went to the toy store. He saw 23 wooden trains and 41 plastic trains. How many more plastic trains than wooden trains did he see?

_____ more plastic trains

Lesson Check (MACC.2.NBT.2.5)

1. What is the difference for 43 − 17?

   −
   _____

   ○ 16 ○ 36
   ○ 26 ○ 60

2. What is the difference for 50 − 16?

   −
   _____

   ○ 66 ○ 34
   ○ 46 ○ 24

Spiral Review (MACC.2.OA.2.2, MACC.2.NBT.2.5, MACC.2.NBT.2.6, MACC.2.NBT.2.9)

3. What is the sum? (Lesson 4.12)

   29
   4
   25
   + 16

   ○ 100 ○ 70
   ○ 74 ○ 65

4. What is the sum of 41 + 19? (Lesson 4.7)

   ○ 60
   ○ 50
   ○ 38
   ○ 30

5. Which of the following has the same sum as 5 + 9? (Lesson 3.3)

   ○ 10 + 6
   ○ 10 + 5
   ○ 10 + 4
   ○ 10 + 3

6. What is the difference? (Lesson 5.2)

   45 − 13 = ____

   ○ 28
   ○ 32
   ○ 52
   ○ 58

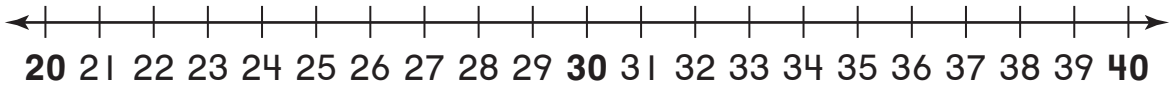
Name _____

Add to Find Differences

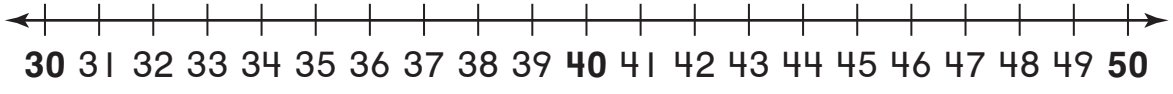
COMMON CORE STANDARD MACC.2.NBT.2.5
Use place value understanding and properties of operations to add and subtract.

Use the number line. Count up to find the difference.

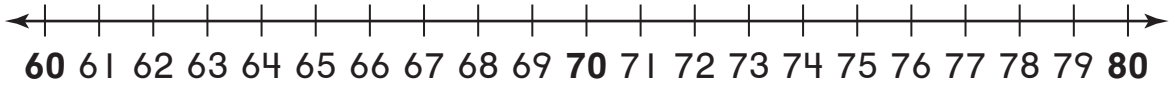
1. $36 - 29 =$ ____



2. $43 - 38 =$ ____

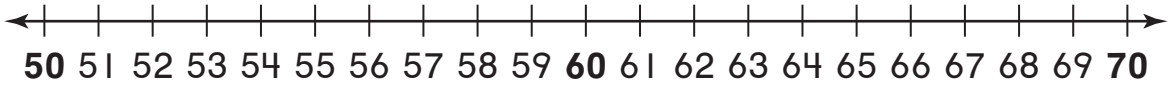


3. $76 - 68 =$ ____



PROBLEM SOLVING REAL WORLD

Solve. You may wish to use the number line.

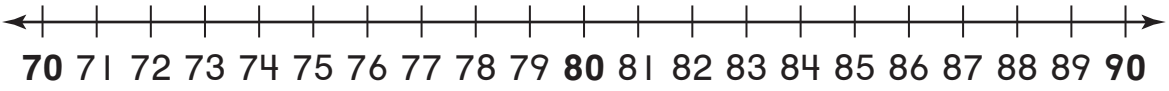


4. Jill has 63 index cards. She uses 57 of them for a project. How many index cards does Jill have now?

_____ index cards

Lesson Check (MACC.2.NBT.2.5)

Use the number line. Count up to find the difference.



1. $82 - 75 =$ _____

○ 2 ○ 6
○ 5 ○ 7

2. $90 - 82 =$ _____

○ 2 ○ 8
○ 4 ○ 9

Spiral Review (MACC.2.OA.1.1, MACC.2.OA.3.4, MACC.2.NBT.2.5, MACC.2.NBT.2.9)

3. Jordan has 41 toy cars at home. He brings 24 cars to school. How many cars are at home? (Lesson 5.3)

○ 17 ○ 25
○ 23 ○ 57

4. Pam has 15 fish. 9 are goldfish and the rest are guppies. How many fish are guppies? (Lesson 3.9)

○ 24 ○ 6
○ 9 ○ 4

5. What is the sum? (Lesson 4.6)

$$\begin{array}{r|l} 3 & 5 \\ +\ 1 & 9 \\ \hline & \end{array}$$

○ 16 ○ 44
○ 24 ○ 54

6. Each table has 5 pencils. There are 3 tables. How many pencils are there altogether? (Lesson 3.11)

○ 20
○ 15
○ 8
○ 2

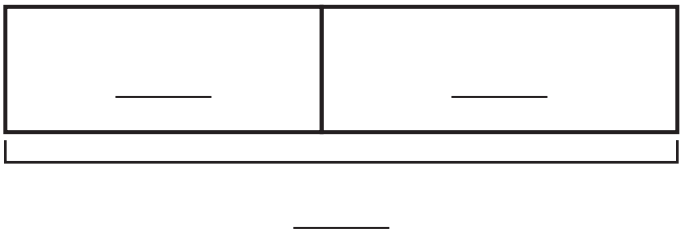
Name _____

Problem Solving • Subtraction

COMMON CORE STANDARD MACC.2.OA.1.1
Represent and solve problems involving addition and subtraction.

Label the bar model. Write a number sentence with a ▢ for the missing number. Solve.

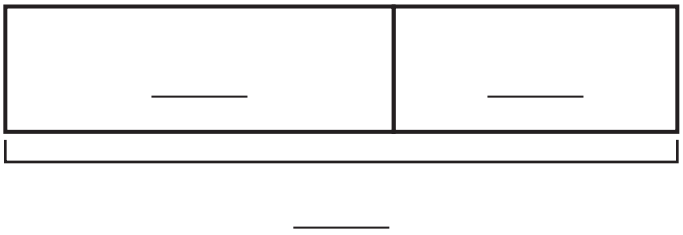
1. Megan picked 34 flowers. Some of the flowers are yellow and 18 flowers are pink. How many of the flowers are yellow?



_____ yellow flowers

_____

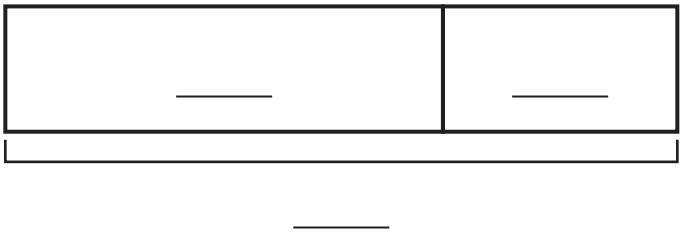
2. Alex had 45 toy cars. He put 26 toy cars in a box. How many toy cars are not in the box?



_____ toy cars

_____

3. Mr. Kane makes 43 pizzas. 28 of the pizzas are small. The rest are large. How many pizzas are large?



_____ large pizzas

_____

Lesson Check (MACC.2.OA.1.1)

1. There were 39 pumpkins at the store. Then 17 of the pumpkins were sold. How many pumpkins are still at the store?

○ 22 ○ 42
○ 26 ○ 56

2. There were 48 ants on a hill. Then 13 of the ants marched away. How many ants are still on the hill?

○ 21 ○ 55
○ 35 ○ 61

Spiral Review (MACC.2.OA.1.1, MACC.2.OA.2.2, MACC.2.NBT.2.5, MACC.2.NBT.2.6)

3. Ashley had 26 markers. Her friend gave her 17 more markers. How many markers does Ashley have now? (Lesson 4.10)

○ 17 ○ 33
○ 26 ○ 43

4. What is the sum? (Lesson 4.7)

$$\begin{array}{r} 46 \\ +\ 24 \\ \hline \end{array}$$

○ 22 ○ 70
○ 60 ○ 72

5. Which of the following has the same difference as $15 - 7$? (Lesson 3.7)

○ $10 - 8$
○ $10 - 7$
○ $10 - 3$
○ $10 - 2$

6. What is the sum? (Lesson 4.1)

$34 + 5 = \_\_\_\_$

○ 39
○ 41
○ 49
○ 51

Name _____

Algebra • Write Equations to Represent Subtraction

COMMON CORE STANDARD MACC.2.OA.1.1
Represent and solve problems involving addition and subtraction.

Write a number sentence for the problem. Use a ▢ for the missing number. Then solve.

1. 29 children rode their bikes to school. After some of the children rode home, there were 8 children with bikes still at school. How many children rode their bikes home?

_____

_____ children

2. 32 children were on the school bus. Then 24 children got off the bus. How many children were still on the bus?

_____

_____ children

PROBLEM SOLVING REAL WORLD

Solve. Write or draw to explain.

3. There were 21 children in the library. After 7 children left the library, how many children were still in the library?

_____ children

Lesson Check (MACC.2.OA.1.1)

1. Cindy had 42 beads. She used some beads for a bracelet. She has 14 beads left. How many beads did she use for the bracelet?

   ○ 22
   ○ 28
   ○ 32
   ○ 56

2. Jake had 36 baseball cards. He gave 17 cards to his sister. How many baseball cards does Jake have now?

   ○ 19
   ○ 21
   ○ 23
   ○ 41

Spiral Review (MACC.2.OA.2.2, MACC.2.NBT.2.5)

3. What is the sum? (Lesson 3.2)

   $6 + 7 = \_\_\_\_$

   ○ 11
   ○ 12
   ○ 13
   ○ 15

4. What is the difference? (Lesson 3.6)

   $16 - 9 = \_\_\_\_$

   ○ 11
   ○ 9
   ○ 8
   ○ 7

5. What is the difference? (Lesson 5.5)

$$\begin{array}{r|l} 4 & 6 \\ -\ 3 & 9 \\ \hline & \end{array}$$

   ○ 7
   ○ 13
   ○ 15
   ○ 26

6. Which of the following has the same sum as $6 + 8$? (Lesson 3.3)

   ○ $10 + 2$
   ○ $10 + 3$
   ○ $10 + 4$
   ○ $10 + 5$

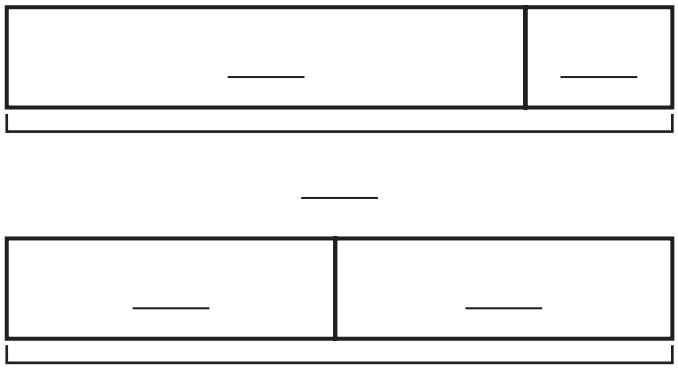
Name _____

Solve Multistep Problems

COMMON CORE STANDARD MACC.2.OA.1.1
Represent and solve problems involving addition and subtraction.

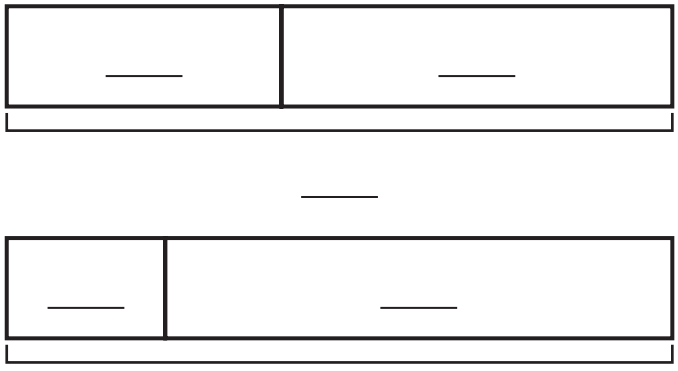
Complete the bar models for the steps you do to solve the problem.

1. Greg has 60 building blocks. His sister gives him 17 more blocks. He uses 38 blocks to make a tower. How many blocks are not used in the tower?



_____ blocks

2. Jenna has a train of 26 connecting cubes and a train of 37 connecting cubes. She gives 15 cubes to a friend. How many cubes does Jenna have now?



_____ cubes

PROBLEM SOLVING REAL WORLD

Solve. Write or draw to explain.

3. Ava has 25 books. She gives away 7 books. Then Tom gives her 12 books. How many books does Ava have now?

_____ books

Lesson Check (MACC.2.OA.1.1)

1. Sara has 18 crayons. Max has 19 crayons. How many more crayons do they need to get to have 50 crayons altogether?

   ○ 13
   ○ 23
   ○ 31
   ○ 37

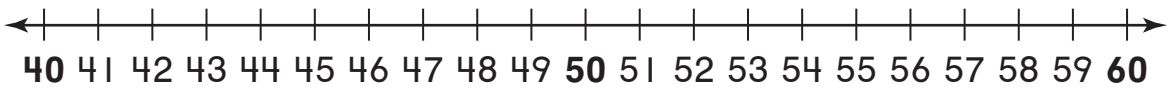
2. Jon has 12 pennies. Lucy has 17 pennies. How many more pennies do they need to have 75 pennies altogether?

   ○ 21
   ○ 35
   ○ 46
   ○ 61

Spiral Review (MACC.2.OA.1.1, MACC.2.NBT.2.5, MACC.2.NBT.2.6)

3. What is the difference? (Lesson 5.2)

$58 - 13 = \_\_\_\_$



○ 71 ○ 65 ○ 45 ○ 22

4. What is the sum? (Lesson 4.6)

$$\begin{array}{r|l} 4 & 7 \\ +\ 1 & 5 \\ \hline & \end{array}$$

○ 62 ○ 43
○ 52 ○ 32

5. There are 26 cards in a box. Bryan takes 12 cards. How many cards are still in the box? (Lesson 5.9)

   ○ 34
   ○ 22
   ○ 18
   ○ 14

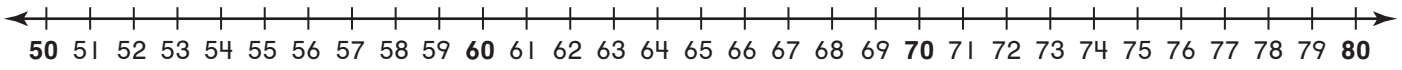
Name _____

COMMON CORE STANDARDS MACC.2.OA.1.1, MACC.2.NBT.2.5, MACC.2.NBT.2.9

Chapter 5 Extra Practice

Lessons 5.1 - 5.2 (pp. 229–236)

Break apart the number you are subtracting.
Write the difference.



1. $73 - 7 =$ _____

2. $65 - 7 =$ _____

3. $64 - 8 =$ _____

4. $75 - 18 =$ _____

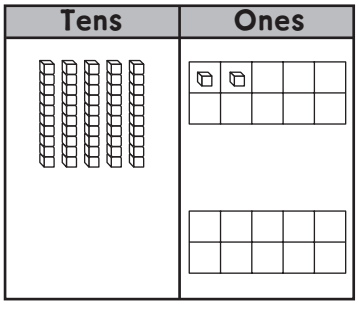
5. $72 - 12 =$ _____

6. $74 - 19 =$ _____

Lesson 5.3 (pp. 237–240)

Draw to show the regrouping. Write the difference two ways.
Write the tens and ones. Write the number.

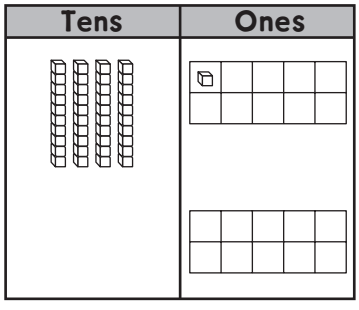
1. Subtract 7 from 52.



_____ tens _____ ones

_____

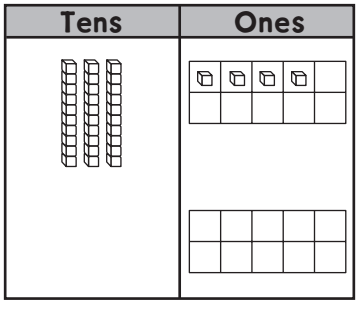
2. Subtract 28 from 41.



_____ tens _____ ones

_____

3. Subtract 16 from 34.



_____ tens _____ ones

_____

Lesson 5.4 (pp. 241–244)

Draw a quick picture to solve.
Write the difference.

1.

	Tens	Ones
	□	□
	4	5
−	1	9

Tens	Ones

2.

	Tens	Ones
	□	□
	5	3
−	2	6

Tens	Ones

Lessons 5.5 - 5.6 (pp. 245–251)

Write the difference.

1.

$$\begin{array}{r} 73 \\ -\ 28 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 95 \\ -\ 47 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 60 \\ -\ 48 \\ \hline \end{array}$$

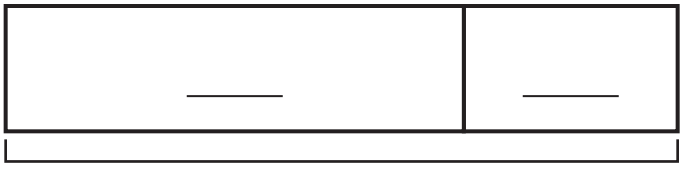
4.

$$\begin{array}{r} 49 \\ -\ 24 \\ \hline \end{array}$$

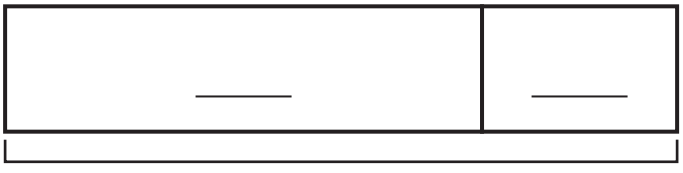
Lesson 5.11 (pp. 269–272)

Complete the bar models for the steps you do to solve the problem.

1. Ryan buys a pack of 30 stickers. His mom gives him 14 stickers. How many more stickers does he need to have 62 stickers in all?



_____



_____ more stickers

_____