Chapter 1

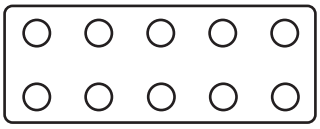
Lesson 1

Name _____ Date/Time _____

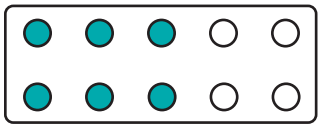
Counting and Larger Numbers

NCTM Standards 1, 2, 6, 8, 10

Count the shaded and unshaded dots.
Complete the number sentences to match.



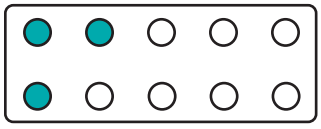
1



$6 + 4 = \square$

$4 + 6 = \square$

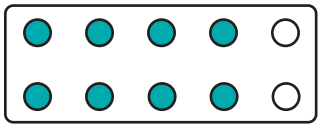
2



$\square + 7 = 10$

$7 + \square = 10$

3



$8 + \square = 10$

$\square + \square = 10$

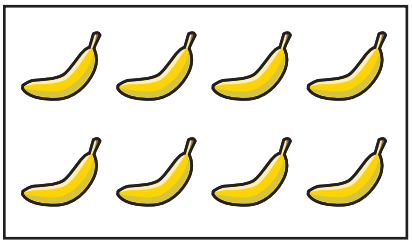
4 What can you say about the pair of number sentences in each problem?

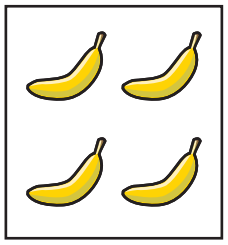
_____

_____

Count the objects in each group. Complete the number sentences to match.

5





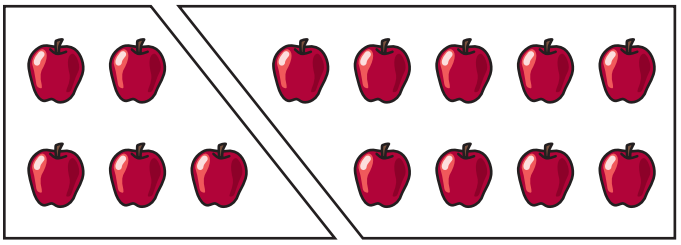
□ + 4 = △

4 + □ = △

□

4

6



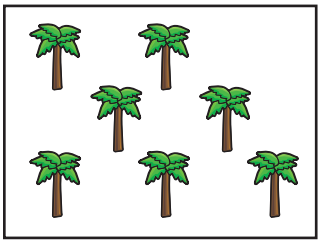
□ + ○ = △

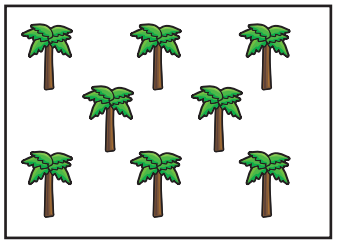
○ + □ = △

□

○

7





□ + ○ = △

○ + □ = △

□

○

8 Challenge Draw and shade dots on the blank card. Write number sentences to match.

□ + ○ = △

○ + □ = △

Chapter 1
Lesson 2

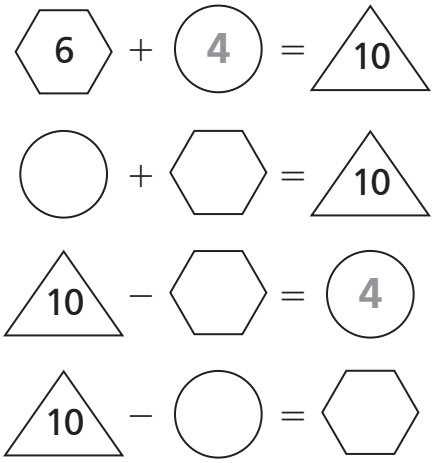
Name _____ Date/Time _____

Making 10, Adding 10

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Complete the problems so that the fact families and the stories match.

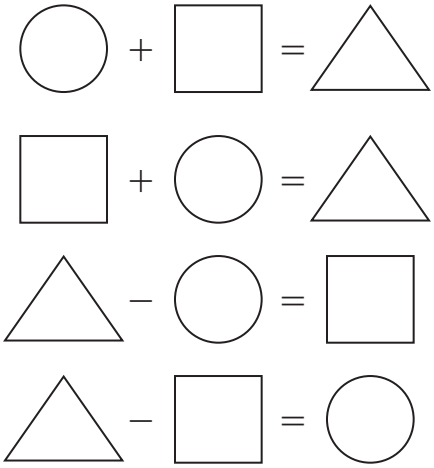
1 The Martins have 10 pets.
They have 6 dogs.
The other pets are kittens.



2 Devin walked 8 blocks.
He stopped and took 3 rocks out of his shoe. Then he walked 2 more blocks to the library.

How far did Devin walk?

_____



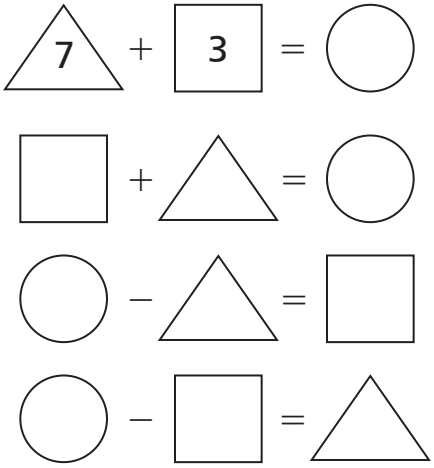
Use the numbers given.
For 3 and 4, write your own stories.

3

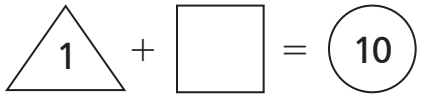
_____

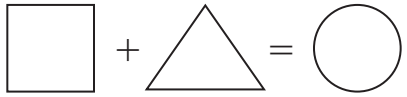
_____

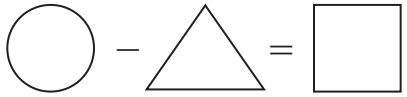
_____

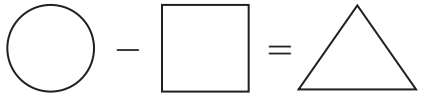


4

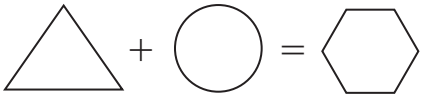


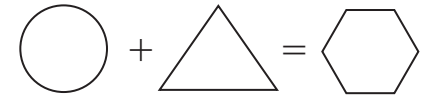


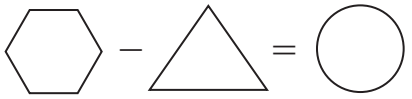


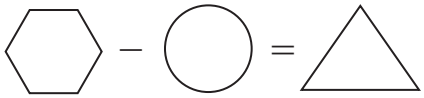


5 Denise has 10 books.
Her sister has 1 more than Denise.
How many books do they have altogether?



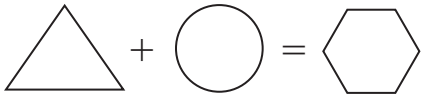


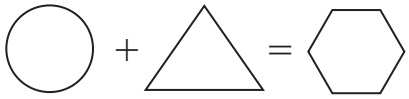


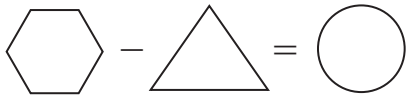


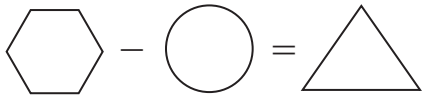
6 **Challenge** Together, Sophia and Allison have 10 stuffed animals.

Sophia has 2 more than Allison.
How many stuffed animals does each girl have?









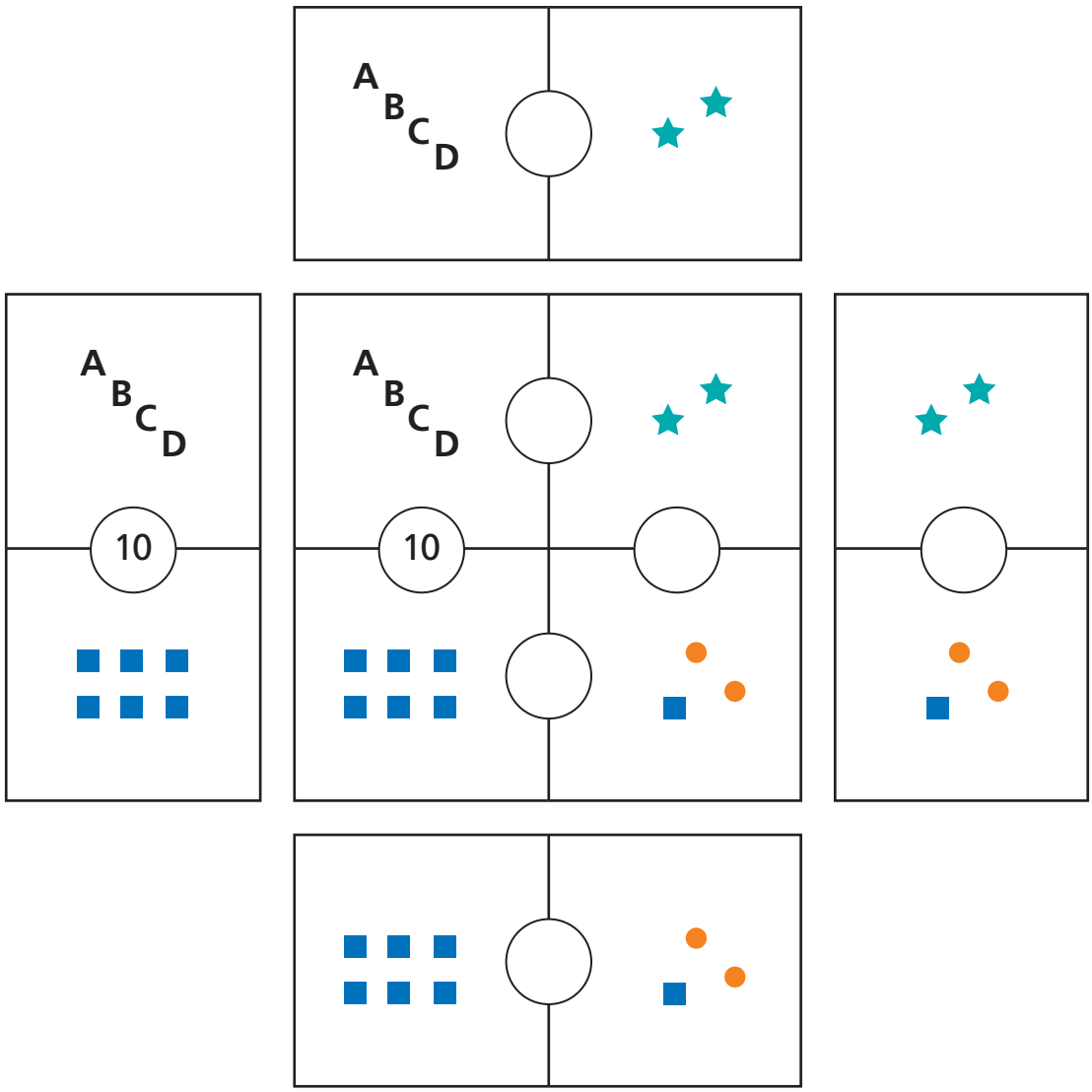
Chapter 1
Lesson 3

Name _____ Date/Time _____

Addition Puzzles

NCTM Standards 1, 2, 6, 7, 8, 10

1 Fill in the missing sums.



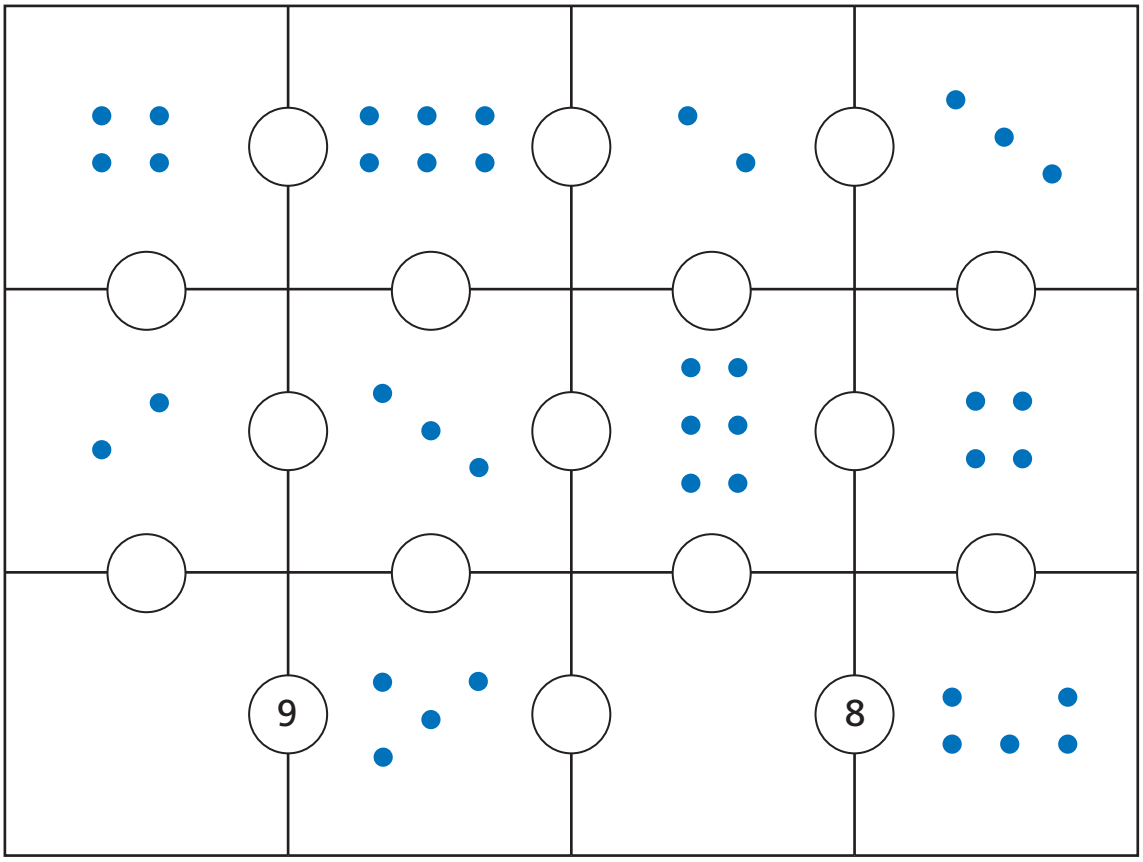
2 What can you say about the sum of the two circles at the top and bottom and the sum of the two circles on the left and right?

_____

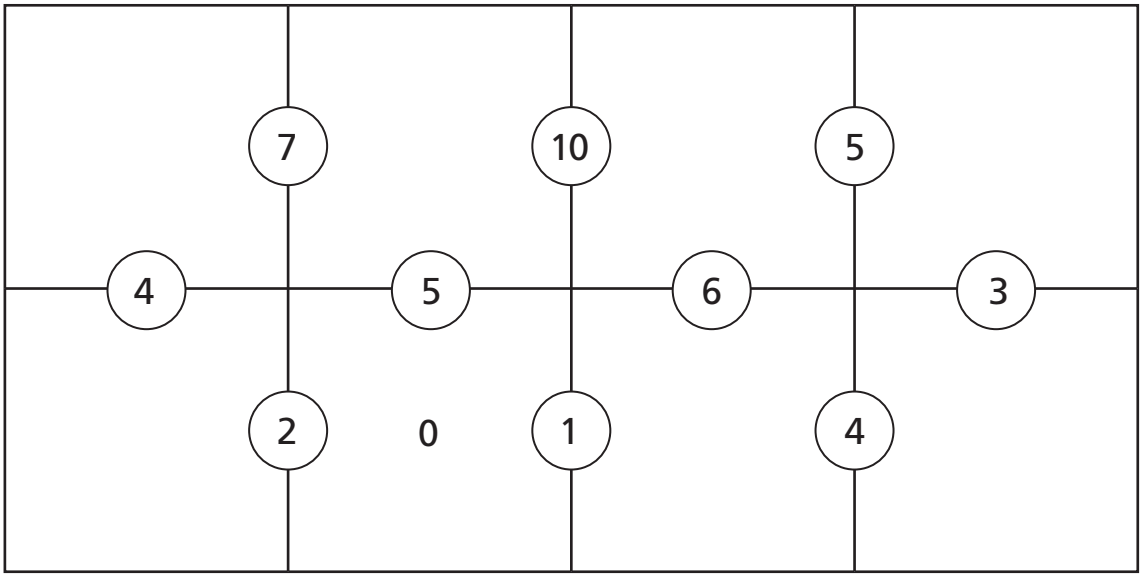
_____

Complete the puzzle.

3



4 Challenge



Chapter 1

Lesson 4

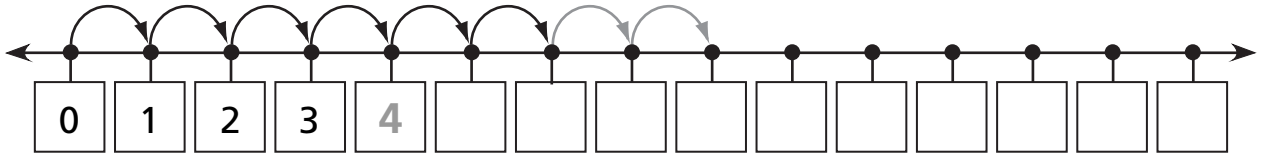
Name _____ Date/Time _____

Counting on a Number Line

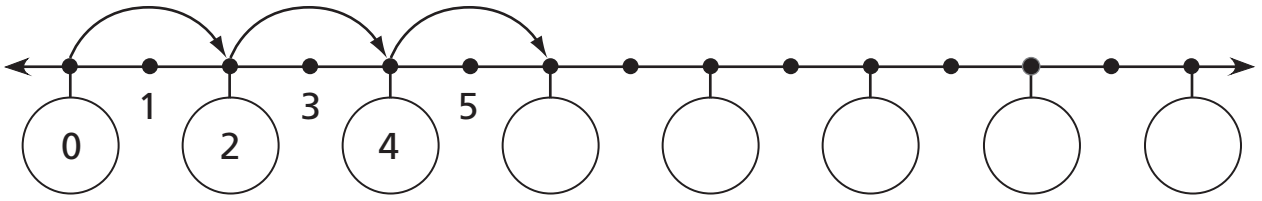
NCTM Standards 1, 2, 6, 8, 10

Continue the jumps on the number line.
Fill in the shapes with the missing numbers.

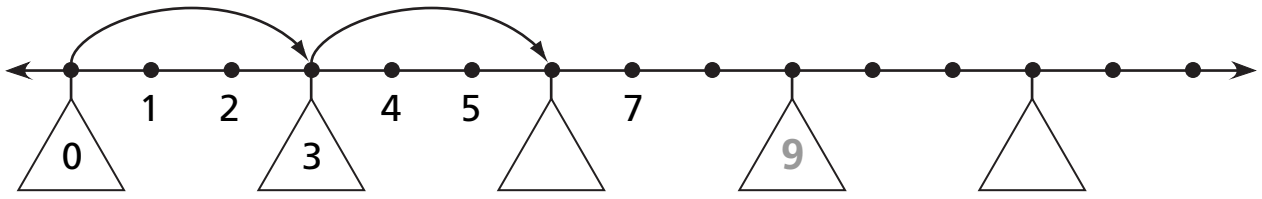
1



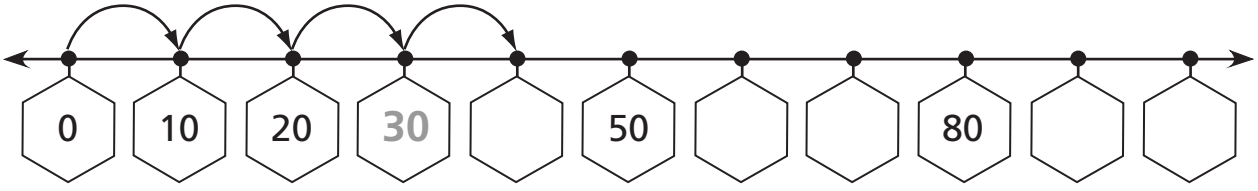
2



3



4



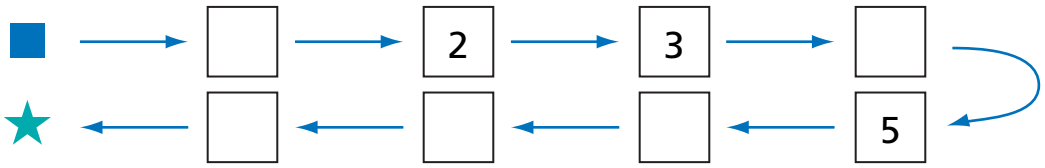
5 Describe a pattern you see in numbers on this page.

_____

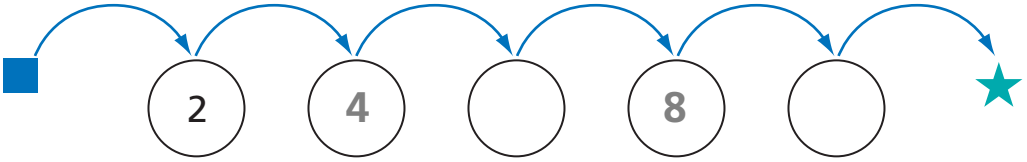
_____

Fill in the shapes with the missing numbers.

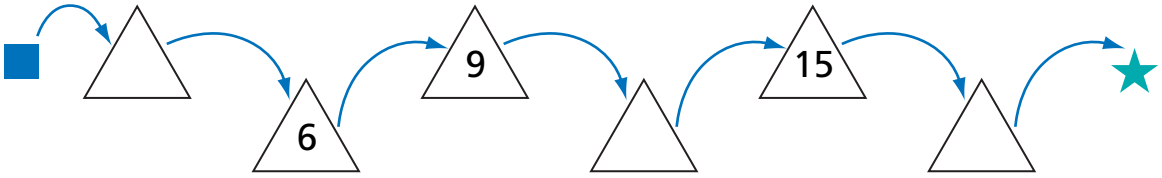
6



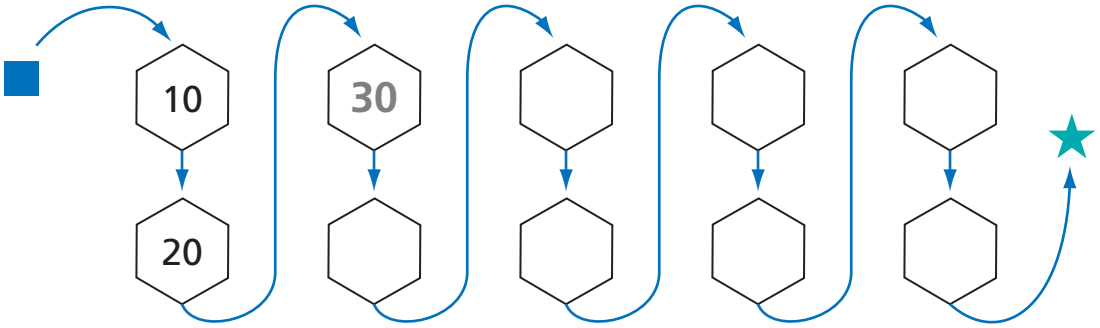
7



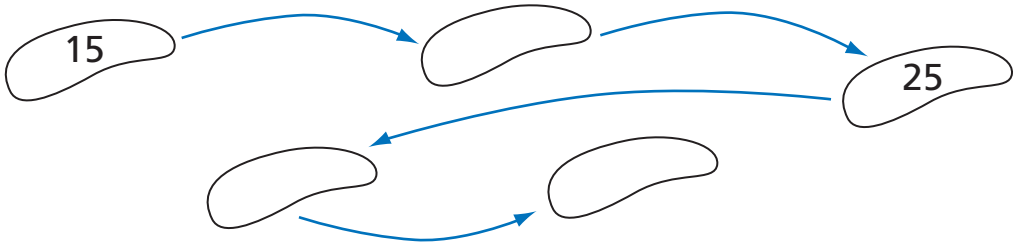
8



9



10 Challenge



Chapter 1

Lesson 5

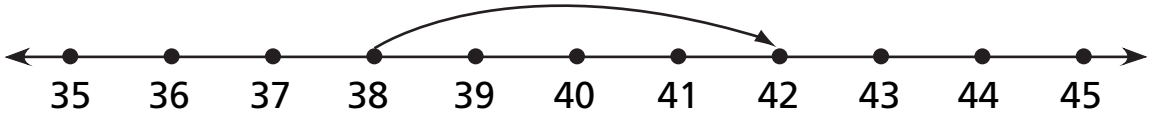
Name _____ Date/Time _____

Adding on the Number Line

NCTM Standards 1, 2, 6, 9, 10

Use the number line to complete the addition sentence. Show each jump on the number line

1. Start at **38** and jump to **42.** How many spaces did you jump?



38 + _____ = 42

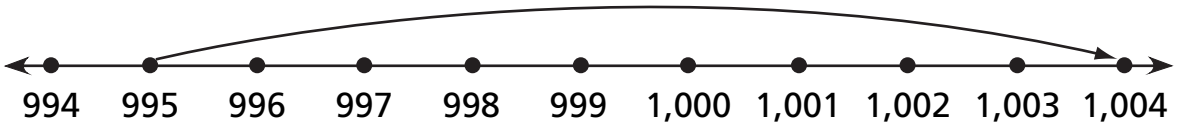
2. Tara jumped **3** spaces forward and landed at **172.** Where did she start?

_____ + 3 = 172

3. Sam started at **296** and jumped **6** spaces forward. Where did he land?

296 + _____ = _____

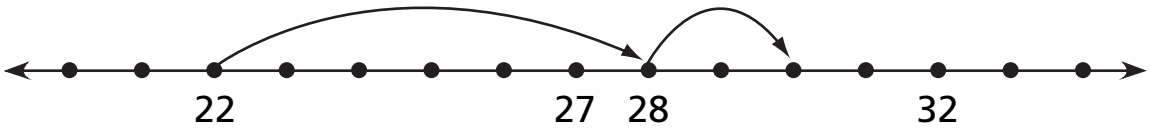
4. Write a problem to match the number sentence.



995 + _____ = 1,004

Use the number line to complete the number sentences.

5



22 + _____ = 28

28 + 2 = _____

6

_____ + 2 = 77

77 + 5 = _____

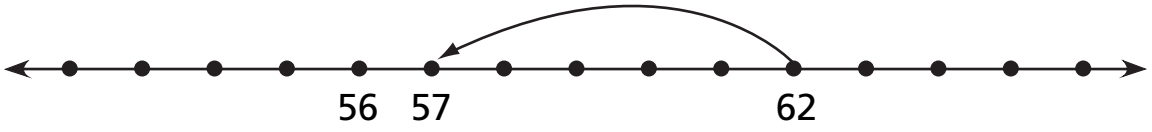
7

91 + _____ = 99

99 + 1 = _____

Challenge

8



62 − _____ = 57

_____ − 4 = 52

9

_____ − 7 = 68

_____ − 10 = 69

Chapter 1
Lesson 6

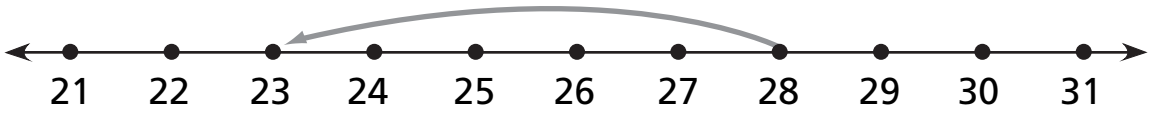
Name _____ Date/Time _____

Subtracting on the Number Line

NCTM Standards 1, 2, 6, 7, 9, 10

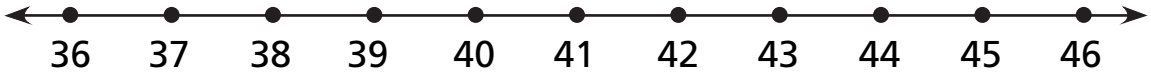
Record the jump by drawing an arrow.
Complete the number sentence.

1 Start at **28** and jump to **23**. How many spaces did you jump?



28 − _____ = 23

2 Lex jumped **4 spaces backward** and landed at **41**. Where did he start?

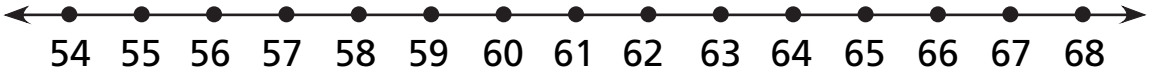


_____ − 4 = 41

3 Sara started at **39** and jumped **7 spaces backward.** Where did she land?

39 − 7 = _____

4



67 − _____ = 59 _____ − 4 = 58

5

48 + 5 = _____ _____ − 5 = 53

6

_____ − 6 = 81

7

74 + _____ = 83

8 Challenge Layla started at **413** on the number line and jumped **backward 8 spaces.** Then she jumped **forward 3 spaces**. Where did she land?

_____

Chapter 1

Lesson 7

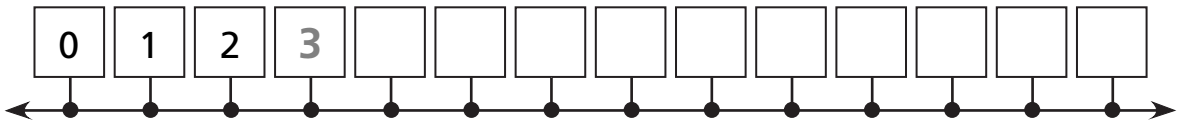
Name _____ Date/Time _____

Skip-Counting

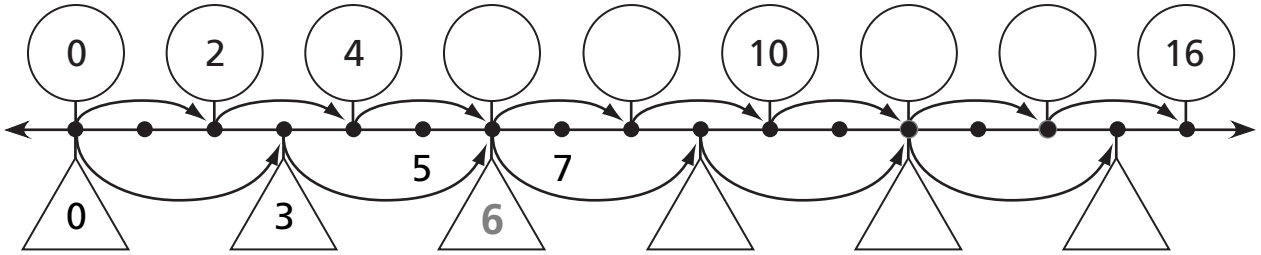
NCTM Standards 1, 2, 6, 10

Write the missing numbers in the shapes.

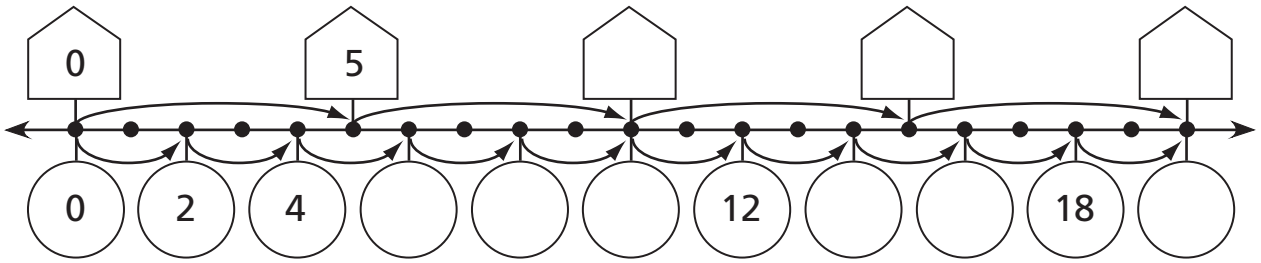
1



2



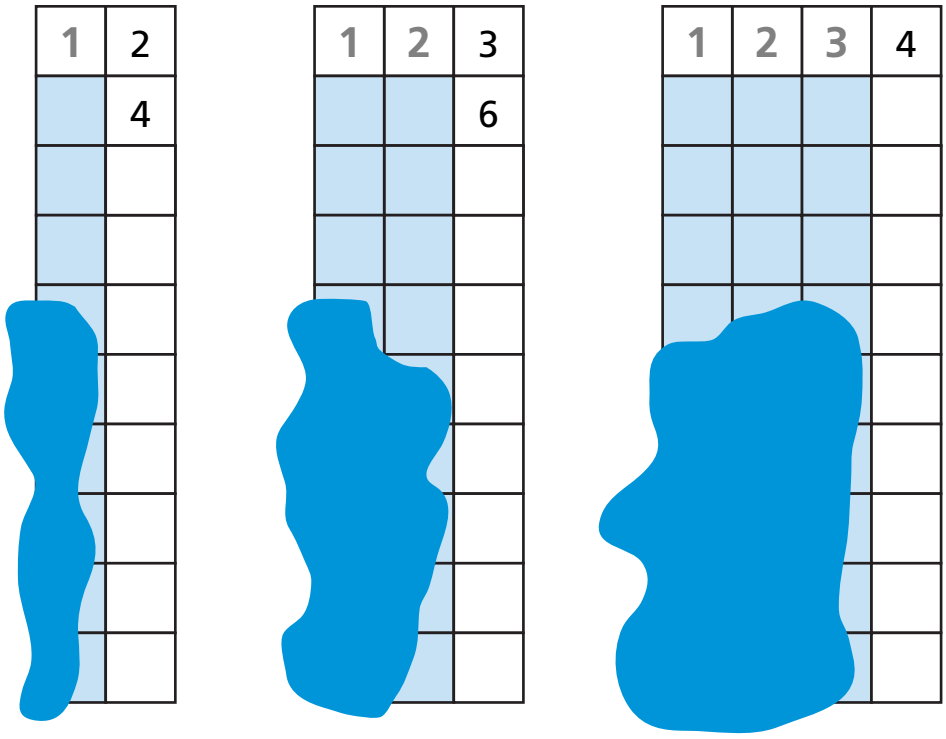
3



4 Miri collected coins. To count the number of coins in her collection, she put them in groups of **4** and skip-counted aloud by **4.** She made **8 groups** of coins. List the numbers she said.

_____

5 Number only the unshaded squares.



Complete the number pattern.

6

0, 2, 4, ____, ____, ____, ____, 14, ____, ____, ____

7

____, ____, 16, 14, 12, ____, ____, ____, 4, ____, ____

8

1, 3, 5, ____, ____, 11, ____, ____, 17, ____, ____

9 Challenge

1, 6, 11, ____, ____, ____, 31, ____, ____, 46, ____

Chapter 1
Lesson 8

Name _____ Date/Time _____

Finding Missing Parts

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Find a rule.

1. 26, 24, 22, ____, ____, ____, ____, 12, ____, ____, ____

2. 33, 30, 27, ____, ____, 18, ____, ____, ____, 6, ____

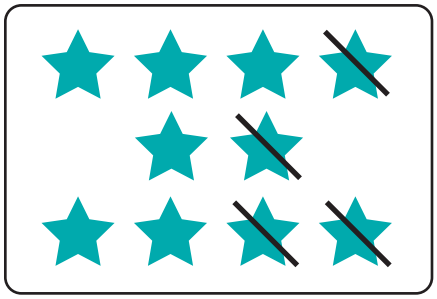
Fill in the missing part.

3. 9 ◯ 7 = 16

4. 12 ◯ 4 = 8

5. 8 − 3 ◯ 4 ◯ 1

6. 6 + 5 + □ = 15

7. 

Total number of stars: □

Number of stars crossed out: △

Number of stars NOT crossed out: ◯

□ − △ = ◯

□ − ◯ = △

8. Compare the patterns in Problems 1 and 2.

_____

_____

Find a rule.

9 ____, ____, ____, 27, 25, 23, 21, ____, ____, ____, ____

10 ____, ____, 38, 35, ____, ____, 26, 23, ____, ____, ____

Fill in the missing parts.

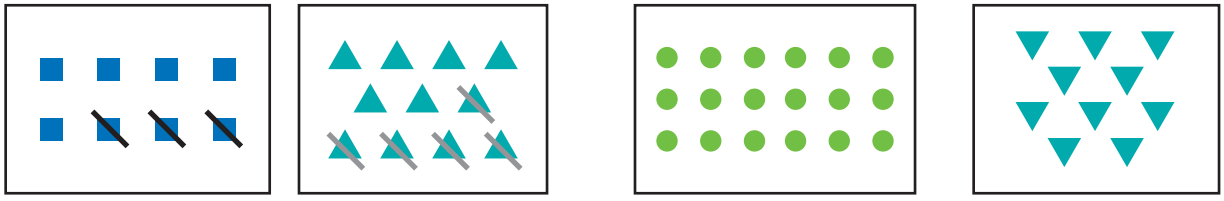
11 $8 \bigcirc 3 = 9 \bigcirc 2$

12 $11 - 3 = 6 + 1 \square$

13 $7 \bigcirc 5 = 11 - 5 - 4$

14 $9 + 5 - 3 = 8 \bigcirc 3$

15



	A	B	C	D
Total number of shapes:	8			
Number of shapes crossed out:	3	5	7	
Number of shapes NOT crossed out:				8

16 **Challenge** Find a rule.

10	8	10	11		23		13	20	40	21		d
6	3	3	9	6	3	19	7		1		2	e
4	5	7		1	20	0		10		17	68	$d - e$

Chapter 1
Lesson 9

Name _____ Date/Time _____

Problem Solving Strategy

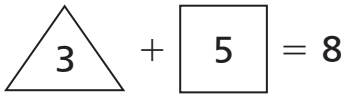
Act It Out

NCTM Standards 1, 2, 6, 7, 8, 9, 10

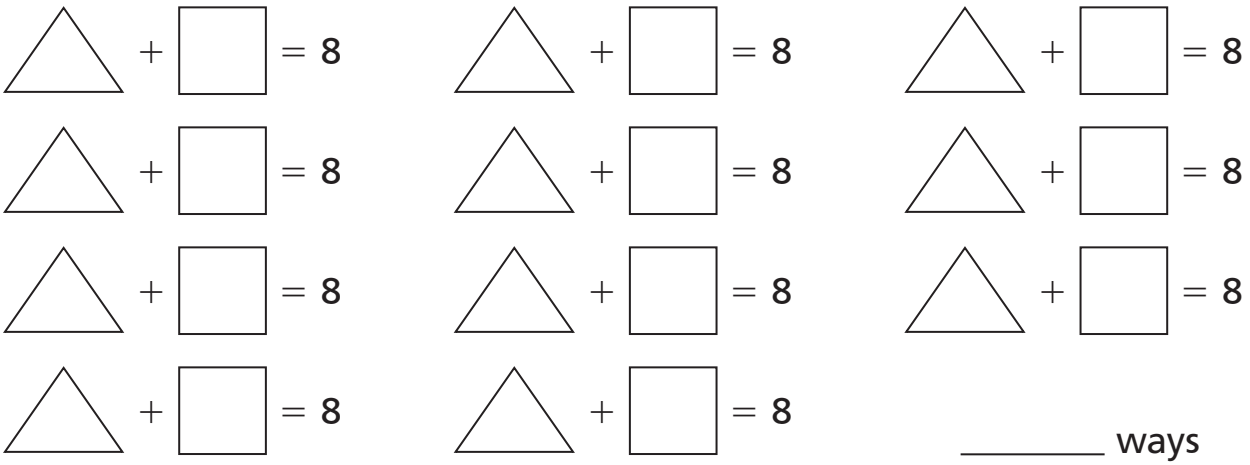
Understand
Plan
Solve
Check

1 Yoshi and Tyra were playing with 8 counters. They wondered how many ways they could separate the counters into 2 piles. How many ways could they do it?

Example: **Pile 1** **Pile 2**



Cross out any sentences you do NOT need.



_____ ways

2 Ana and Mark collect erasers. Together they have **15 erasers.** Complete the table for the numbers of erasers they might each have.

Ana's erasers	3							
Mark's erasers	12							

Ana's erasers								
Mark's erasers								

Problem Solving Test Prep

Choose the correct answer.

1 The ▲ and ■ are different numbers between 0 and 8. In how many different ways can you complete this number sentence?

▲ + ■ = 8

A. 4 **C.** 9

B. 6 **D.** 16

2 Which number is NOT a possible sum if each ■ is the same number?

■ + ■ = ⬣

A. 14 **C.** 19

B. 16 **D.** 24

3 Which number sentence matches this story?

Sam has 8 toys. He gives 3 toys to his sister. How many toys does Sam have now?

A. 11 − 8 = 3 **C.** 8 − 5 = 3

B. 8 + 3 = 11 **D.** 8 − 3 = 5

4 Use the digits 4, 5, and 6. What three-digit number can you make that is the closest to 500?

A. 465 **C.** 645

B. 546 **D.** 654

Show What You Know

Solve each problem. Explain your answer.

5 Mrs. Brown has 3 groups of students. Each group has 2 packages of markers for an art project. There are 8 markers in each package. How many markers do the students have in all? Explain.

6 Kyle has 11 pennies. He wants to make 2 piles and use all the pennies. In how many different ways can he make 2 piles of pennies? Explain how you know you found all possible ways.

Chapter 1

Name _____ Date/Time _____

Review/Assessment

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Complete the fact family to match the story.

1 Kofi walks **10 blocks** to school. If he has already walked **7 blocks,** how many more blocks does Kofi have to walk? Lessons 1 and 2

_____

□ + △ = ⬡

△ + □ = ⬡

⬡ − □ = △

⬡ − △ = □

2 Write a story to match the fact family. Lesson 2

_____

_____

_____

_____

8 + △ = 10

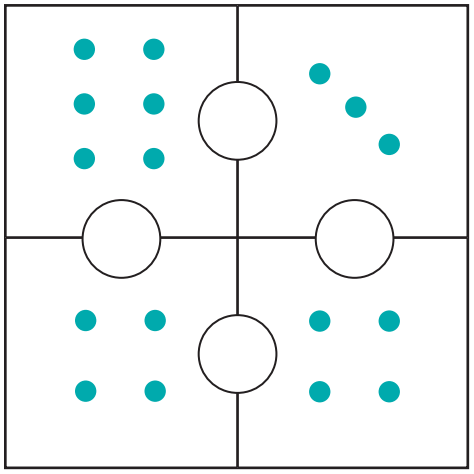
△ 8 = 10

10 − 8 = △

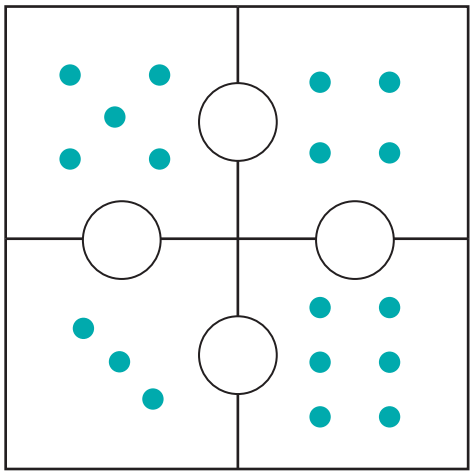
10 − △ = 8

Fill in the missing sums. Lesson 3

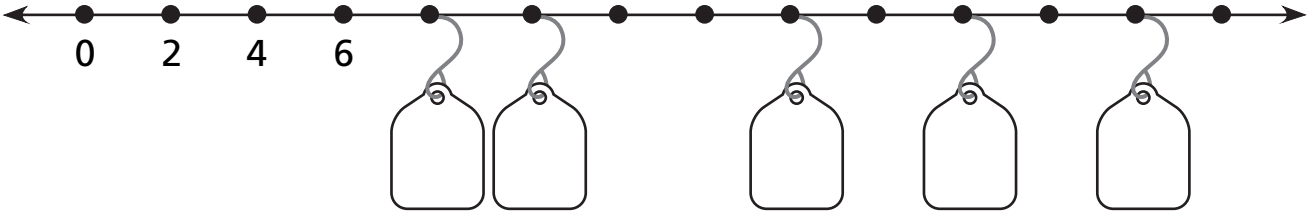
3



4

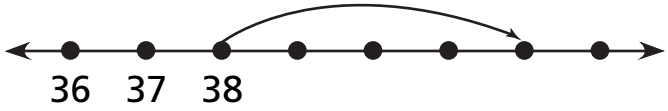


5 Find the missing number for each tag. Lessons 4 and 7



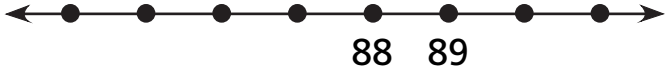
Use the number line to complete the number sentence. Lessons 5 and 6

6



38 + 4 = ☐

7



90 − 4 = ☐

Write the missing operation sign. Lesson 8

8 12 ◯ 3 = 9

9 14 ◯ 8 = 6

10 9 ◯ 6 = 15

11 7 ◯ 3 = 10

12 Don and Frank went fishing. Together they caught 5 fish. What are all the numbers of fish each boy might have caught? Lesson 9

Don						
Frank						