

Name \_\_\_\_\_

# HANDS ON Lesson 1.1

## Algebra • Even and Odd Numbers



**COMMON CORE STANDARD— 2.OA.3**

*Work with equal groups of objects to gain foundations for multiplication.*

Shade in the ten frames to show the number. Circle even or odd.

1. 15


even      odd

2. 18


even      odd

3. 11


even      odd

4. 17


even      odd

5. 13


even      odd

6. 20


even      odd

### Problem Solving

7. Mr. Dell has an odd number of sheep and an even number of cows on his farm. Circle the choice that could tell about his farm.

9 sheep and 10 cows

10 sheep and 11 cows

8 sheep and 12 cows

Name \_\_\_\_\_

**Algebra • Represent Even Numbers****COMMON CORE STANDARD—2.OA.3***Work with equal groups of objects to gain foundations for multiplication.*

Shade in the frames to show two equal groups for each number. Complete the addition sentence to show the groups.

1. 8 


$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

2. 18 


$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

3. 10 


$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

4. 14 


$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

5. 20 


$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

6. 12 


$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

**Problem Solving**

Solve. Write or draw to explain.

7. The seats in a van are in pairs. There are 16 seats. How many pairs of seats are there?

\_\_\_\_\_ pairs of seats

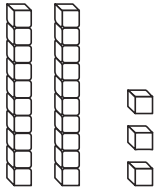
**Understand Place Value**



**COMMON CORE STANDARD—2.NBT.3**  
Understand place value.

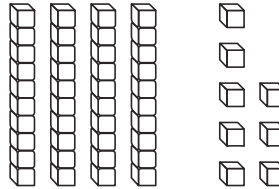
Circle the value of the underlined digit.

1. 23



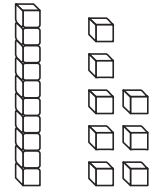
20      2

2. 48



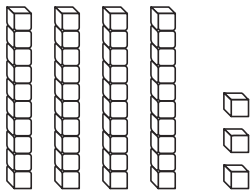
8      80

3. 18



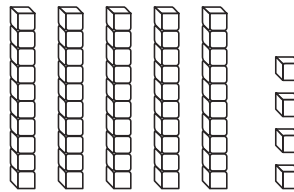
10      1

4. 43



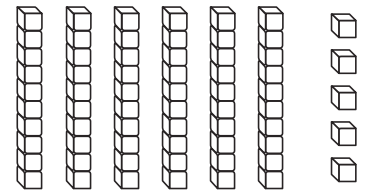
40      4

5. 54



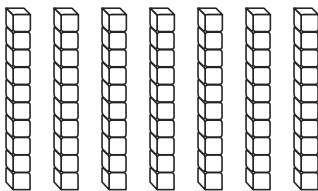
5      50

6. 65



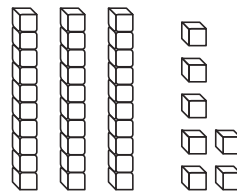
50      5

7. 70



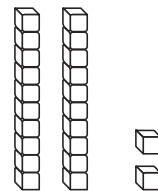
7      70

8. 37



70      7

9. 22



20      2

**Problem Solving** *Real World*

Write the 2-digit number that matches the clues.

**10.** My number has a tens digit that is 8 more than the ones digit. Zero is not one of my digits.

My number is \_\_\_\_\_.

Name \_\_\_\_\_

# Expanded Form



**COMMON CORE STANDARD—2.NBT.3**  
*Understand place value.*

Draw a quick picture to show the number.  
Describe the number in two ways.

1. 68

\_\_\_\_ tens \_\_\_\_ ones  
\_\_\_\_ + \_\_\_\_

2. 21

\_\_\_\_ tens \_\_\_\_ one  
\_\_\_\_ + \_\_\_\_

3. 70

\_\_\_\_ tens \_\_\_\_ ones  
\_\_\_\_ + \_\_\_\_

4. 53

\_\_\_\_ tens \_\_\_\_ ones  
\_\_\_\_ + \_\_\_\_

5. 35

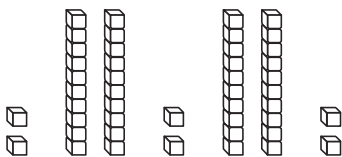
\_\_\_\_ tens \_\_\_\_ ones  
\_\_\_\_ + \_\_\_\_

6. 47

\_\_\_\_ tens \_\_\_\_ ones  
\_\_\_\_ + \_\_\_\_

## Problem Solving

7. Circle the ways to write the number shown by the model.



4 tens 6 ones

40 + 6

64

6 tens 4 ones

60 + 4

46