



# 1.8 Expanded Form

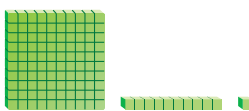


## Essential Question

How can you write 112 in expanded form?

### Explore



Use  to model the problem.  
Draw to show your work.

Hundreds

Tens

Ones

Hundreds

Tens

Ones



**FOR THE TEACHER** • Ask children to use base-ten blocks to show 112 two different ways.



### Math Talk

Mathematical Processes

How did you decide how many hundreds, tens, and ones are in 112? **Explain.**



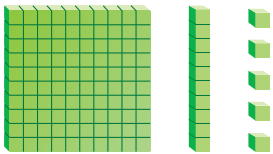
## Model and Draw

115 is a three-digit number.

The 1 in 115 means 1 hundred.

The 1 in 115 means 1 ten.

The 5 in 115 means 5 ones.



\_\_\_\_\_ hundred \_\_\_\_\_ ten \_\_\_\_\_ ones

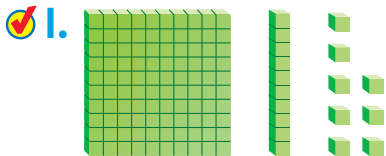
\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

\_\_\_\_\_

## Share and Show



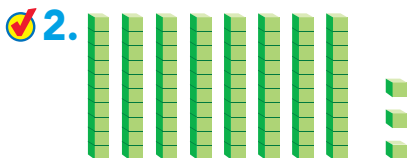
Use the model. Write the number three different ways.



\_\_\_\_\_ hundred \_\_\_\_\_ ten \_\_\_\_\_ ones

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

\_\_\_\_\_



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

\_\_\_\_\_ + \_\_\_\_\_

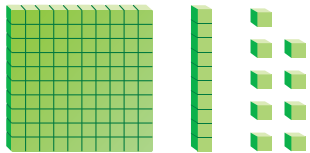
\_\_\_\_\_

Name \_\_\_\_\_

## Problem Solving

Use the model. Write the number three different ways.

3.



\_\_\_\_\_ hundred \_\_\_\_\_ ten \_\_\_\_\_ ones

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

\_\_\_\_\_

Draw a quick picture to show the number.  
Write the number three different ways.

4.



Dora has 9 tens. Tim has 23 ones.  
They put all their tens and ones together.  
What number did they make?



\_\_\_\_\_ hundred \_\_\_\_\_ ten \_\_\_\_\_ ones

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

\_\_\_\_\_

5.



**Multi-Step** Peter has 10 tens. Maria has 1 ten. They put all their tens together. Olivia put 6 ones with all the tens. What number did they make?

\_\_\_\_\_ hundred \_\_\_\_\_ ten \_\_\_\_\_ ones

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

\_\_\_\_\_



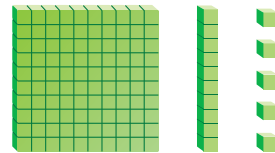
# Daily Assessment Task

Choose the correct answer.

6. Tyler counts blocks.  
There are 10 tens and 4 ones.  
How many blocks did he count?

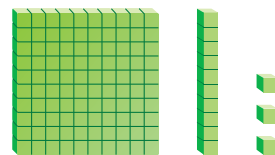
- 14
- 104
- 140

7. **Use Tools** Ginger made this model. What number does her model show?



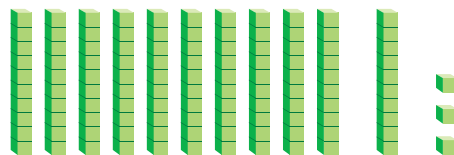
- 115
- 15
- 105

8. Which shows the same number?



- 1 hundred 3 ones
- 10 tens 13 ones
- 10 tens 3 ones

9. **★ TEXAS Test Prep** Which shows the same number?



- 1 hundred 1 ten 3 ones
- 1 hundred 2 ones
- 1 hundred 1 ten 1 one



**TAKE HOME ACTIVITY** • Ask your child to tell you how many hundred, tens, and ones are in 115.



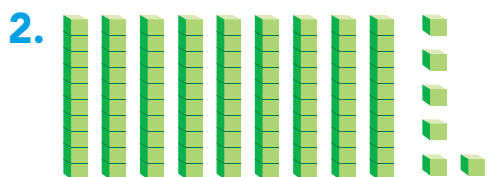
Name \_\_\_\_\_

## 1.8 Expanded Form

Use the model. Write the number three different ways.



\_\_\_\_\_ hundred \_\_\_\_\_ ten \_\_\_\_\_ ones  
 \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_  
 \_\_\_\_\_



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

### Problem Solving

Choose a way to solve. Draw or write to explain.

3. **Multi-Step** Lev has 9 tens. Jim has 1 ten. They put all their tens together. Dawn puts 9 ones with the tens. What number did they make?

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

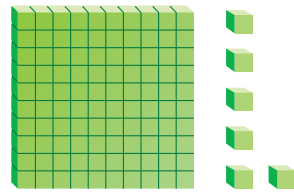
**Lesson Check**

Choose the correct answer.

4. Ali bounces a ball while Tim counts. Tim counts 11 tens and 2 ones. How many bounces did Tim count?

- 112                       102                       120

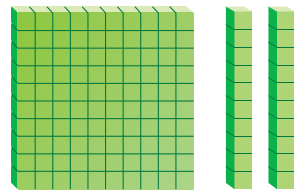
5. Tim uses blocks to count the bounces. What number does the model show?



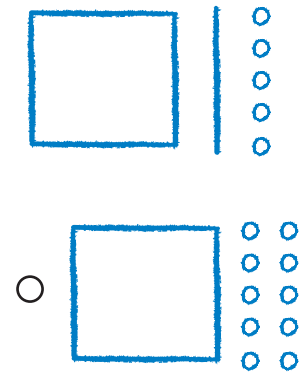
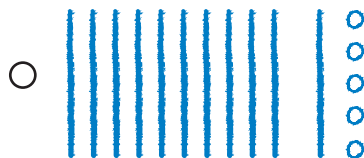
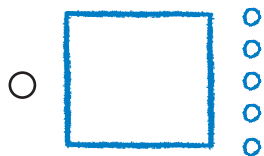
- 116                       106                       16

6. Which shows the same number?

- 1 hundred 2 ones  
 11 tens 20 ones  
 10 tens 20 ones



7. Which shows the same number?



Name \_\_\_\_\_



# Module 1 Assessment

## Vocabulary

Circle the **ones** in the number.

Draw a line under the **tens** in the number. (p. 14)

1. 48

2. 84

Circle the **hundred** in the number. (p. 38)

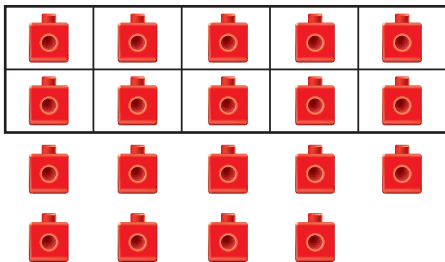
3. 108

4. 119

## Concepts and Skills

Use the model. Write the number three different ways. TEKS 1.2.A

5.



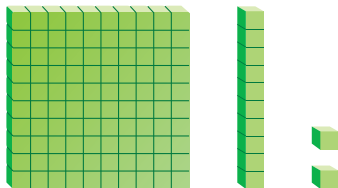
\_\_\_\_\_ tens \_\_\_\_\_ ones

\_\_\_\_\_ + \_\_\_\_\_

\_\_\_\_\_

Write the numbers. TEKS 1.2.B

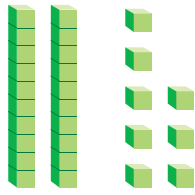
6.



\_\_\_\_\_ hundred \_\_\_\_\_ ten \_\_\_\_\_ ones = \_\_\_\_\_

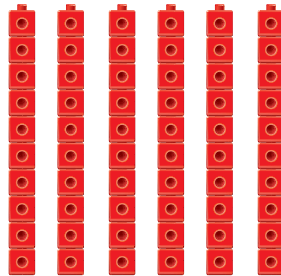
Choose the correct answer.

7. Which tells how many tens and ones?  TEKS 1.2.B



- 2 tens 8 ones
- 8 tens 2 ones
- 2 tens 9 ones

8. What number does the model show?  TEKS 1.2.A

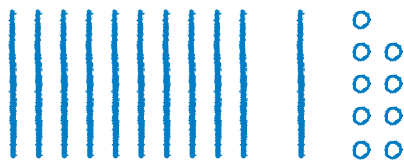





- 50
- 60
- 6

9. What number is the same as 5 tens 6 ones?  TEKS 1.2.B

- 55
- 65
- 56

10. Which shows the same number?  TEKS 1.2.C



- A model showing one square box, two vertical rods of ten blue blocks each, and six individual blue blocks arranged in two columns of three.
- A model showing one square box, two vertical rods of ten blue blocks each, and six individual blue blocks arranged in two columns of three.
- A model showing one square box, two vertical rods of ten blue blocks each, and six individual blue blocks arranged in two columns of three.