

Lesson 10

Understand
Three-Digit Numbers

Name: _____

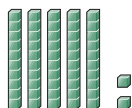
Prerequisite: How are two-digit numbers made up of tens and ones?



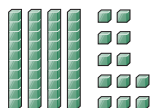
Study the example showing two-digit numbers as tens and ones. Then solve Problems 1–7.

Example

You can show 52 as tens and ones. You can show this in different ways.

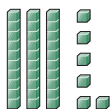


5 tens 2 ones
 $50 + 2 = 52$

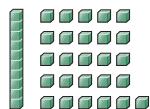


4 tens 12 ones
 $40 + 12 = 52$

- B** 1 Show 36 as tens and ones. Fill in the blanks to show different ways.



3 tens 6 ones



1 tens 26 ones

- B** 2 You can show tens and ones in a chart. Complete the chart to show tens and ones in 36.

Tens	Ones
3	6

- M** 3 Show tens and ones in 36 in a different way. Complete the chart. **Possible answer:**

Tens	Ones
1	26

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Solve.

- M** 4 What are two different ways 47 can be shown with tens and ones? Fill in the blanks. **Possible answer:**

4 tens 7 ones
2 tens 27 ones

- M** 5 What are three different ways 91 can be shown with tens and ones? Fill in the blanks. **Possible answer:**

9 tens 1 ones
8 tens 11 ones
7 tens 21 ones

- M** 6 What are two different ways 83 can be shown with tens and ones? Complete the charts. **Possible answer:**

Tens	Ones
8	3

Tens	Ones
7	13

- C** 7 Circle all the ways that show 54. Then write three other ways to show 54.

4 tens 14 ones 5 tens 4 ones
 $50 + 4$ $40 + 5$
5 tens 14 ones 1 ten 44 ones

Possible answer: 3 tens 24 ones,

2 tens 34 ones, $30 + 24$

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Key

B Basic

M Medium

C Challenge

Lesson 10

Name: _____

Understand Hundreds, Tens, and Ones

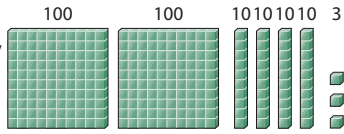
Study the example showing how to count hundreds, tens, and ones. Then solve Problems 1–6.

Example

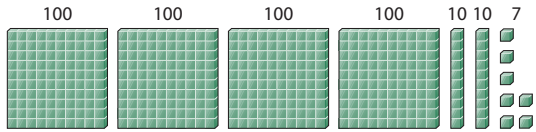
How many hundreds, tens, and ones are there?

Count:

$$2 \text{ hundreds} + 4 \text{ tens} + 3 \text{ ones} = 200 + 40 + 3 = 243$$

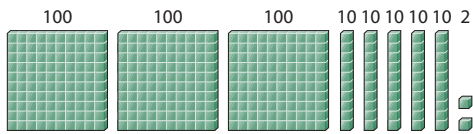


- B** 1 How many hundreds, tens, and ones are there?



$$\underline{4} \text{ hundreds} + \underline{2} \text{ tens} + \underline{7} \text{ ones} = 400 + 20 + 7 = 427$$

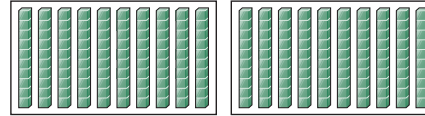
- B** 2 How many hundreds, tens, and ones are there?



$$\underline{3} \text{ hundreds} + \underline{5} \text{ tens} + \underline{2} \text{ ones} = 300 + 50 + 2 = 352$$

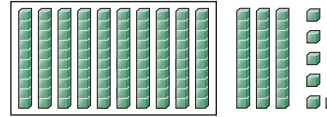
Solve.

- B** 3 This model shows 200 in tens. How many tens are in 200?



$$200 = \underline{20} \text{ tens}$$

- M** 4 This model shows 136 in tens. How many tens are in 136? How many ones are left over?



$$136 = \underline{13} \text{ tens and } \underline{6} \text{ ones}$$

- M** 5 Complete the chart to show 7 hundreds + 5 ones.

Hundreds	Tens	Ones
7	0	5

- M** 6 Complete the chart to show 9 hundreds + 4 tens + 8 ones.

Hundreds	Tens	Ones
9	4	8



Lesson 10

Name: _____

Reason and Write

Look at the example. Underline a part that you think makes it a good answer.

Example

Eva uses her blocks to build towers of 10 blocks each. There are 15 towers and 2 blocks left over.

1. Draw a picture to show Eva's blocks. Write the total number of blocks that Eva has.
2. Explain how you figured out how many blocks Eva has.
3. Show a different way you can write how many blocks Eva has.

Draw.



Explain.

First I counted 10 towers because 10 tens is 100 blocks. Then I counted 5 more towers. That is the same as 50. Then I saw that there were 2 blocks left over. So Eva has $100 + 50 + 2$, or 152 blocks.

Show a different way.

1 hundred + 5 tens + 2 ones

Answers will vary. Note whether students incorporate the features they chose in their answer on the next page.

Where does the example...

- show the picture?
- show the number of blocks?
- use words to explain?
- show a different way to write the number of blocks?



Solve the problem. Use what you learned from the example.

Ty uses his blocks to build towers of 10 blocks each. There are 14 towers and 5 blocks left over.

1. Draw a picture to show Ty's blocks. Write the total number of blocks that Ty has.
2. Explain how you figured out how many blocks Ty has.
3. Show a different way you can write how many blocks Ty has.

Draw.

Possible answer:



Explain.

Possible answer: I counted 10 towers, so I knew there were 100 blocks. Then I counted

4 more towers, so I knew there were 40 more blocks. Then I counted the 5 leftover

blocks. That means Ty has $100 + 40 + 5 = 145$ blocks.

Show a different way.

Possible answer: 1 hundred + 4 tens + 5 ones

Did you...

- draw the picture?
- write the number of blocks?
- use words to explain?
- show a different way to write the number of blocks?

