## Lesson 4: Write Three-digit Numbers

* Let’s represent three-digit numbers using base-ten numerals.

### Warm-up: How Many Do You See: Blocks

How many do you see and how do you see them?







### 4.1: Place Value Riddles

Solve each riddle and write the three-digit number. Use the table to help you organize the digits.

| riddle | hundreds | tens | ones | three-digit number |
| --- | --- | --- | --- | --- |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |

1. I have 2 ones, 7 tens, and 6 hundreds.
2. I have 3 ones, 5 tens, and 2 hundreds.
3. I have 7 hundreds, 5 ones, and 3 tens.
4. I have 5 hundreds, no tens, and 9 ones.
5. I have 4 ones, 6 tens, and 3 hundreds.
6. I have 8 tens, 1 hundred, and no ones.

### 4.2: Mixed-up Digits

Find the number that makes each equation true. Use base-ten blocks or diagrams if they help.

1. 4 hundreds $+$ 6 tens $+$ 2 ones $=$ \_\_\_\_\_\_\_\_\_\_
2. 7 ones $+$ 2 hundreds $+$ 6 tens $=$ \_\_\_\_\_\_\_\_\_\_
3. 3 tens $+$ 5 hundreds $=$ \_\_\_\_\_\_\_\_\_\_
4. 325 $=$ \_\_\_\_\_\_\_\_\_\_ hundreds $+$ \_\_\_\_\_\_\_\_\_\_ ones $+$ \_\_\_\_\_\_\_\_\_\_ tens
5. 70 $+$ 300 $+$ 2 $=$ \_\_\_\_\_\_\_\_\_\_
6. 836 $=$ 6 $+$ 800 $+$ \_\_\_\_\_\_\_\_\_\_
7. Clare and Elena worked to find the number that makes the equation true:
* 7 ones $+$ 3 hundreds $=$\_\_\_\_\_\_\_\_\_\_.
* They wrote different answers.
	+ Clare wrote 7 ones $+$ 3 hundreds $=$ 37.
	+ Elena wrote 7 ones $+$ 3 hundreds $=$ 307.
* Who do you agree with? Explain.



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