

## Chapter 2 Section A: Read and Write Place Values (2.A.1)

Objective:

Understand and explain the value of each digit by determining its position in that number up to 3-digit numbers.

When we are discussing place value we are discussing 3 main words:

**digit:** a number from 0 to 9

**place value:** the room, the place or position of a digit in a number

**value:** the amount each digit is worth

The place value is the "where"

The value is the "how much"

**Note:** The digit 0 is a **placeholder**; it holds a place but its value is **always 0**.

400 8

Q1. What is 4 hundreds and 8 ones in **numbers**? Circle **one** answer.

48

408

480

804

Q2. Eunice used these number cards to form a **3-digit** number.

8	3	2
---	---	---

a) If the digit in the hundreds place has a **value** of 200.

What could the number be? Write **two** possible answers.

238

283

b) If the digit in the tens place has a value of 80 while the digit in the ones place has a value of 2.

What could the number be? 382

Q3. Fill in the blanks.

- a) In 795, the **digit** in the tens place is 9, while the **value** of the digit 7 is 700.
- b) In 216, the **value** of digit 2 is 200 while the **value** of digit 1 is 10.
- c) In 348, the **place value** of digit 3 is hundreds, but the **place value** of digit 8 is ones.
- d) In 200, the digit 2 is in the hundreds place, the digit 0 is in the tens place value and the ones place value.

e) In 901, the **value** of the digit 0 in the tens place is 0, while the **value** of 9 is 900.

Q4. Fill in the blanks.

Place value	hundreds	tens	ones
digits	4	5	1
value	400	50	1

- The number is 451

$$451 = \underline{400} + \underline{50} + \underline{1}$$

25

Place value	hundreds	tens	ones
digits	<u>8</u>	6	<u>9</u>
value	800	<u>60</u>	9

- The number is 869 and the digit 9 has the smallest value.

Place value	hundreds	tens	ones
digits	3	<u>2</u>	<u>0</u>
value	<u>300</u>	20	0

- The number is 320 and the digit 3 has the greatest value.



Q5. Fill the table with the missing words.

Place value	<u>hundreds</u>	<u>tens</u>	<u>ones</u>
<u>digits</u>	1	1	1
<u>value</u>	100	10	1

Write the number in numerals/figures: 111

Write the number in words: one hundred and eleven

Q6. In the number 999,

the **digit** in the hundreds place value is 9 and its **value** is 900.

the **digit** in the tens place value is 9, and its **value** is 90.

the **digit** in the ones place value is 9, and its **value** is 9.

Q7. Look at the number.



Lucas says that the number has the **same value** as 70 tens.

Do you agree? Explain.

yes, because 70 tens has the value of 700

We replace the word tens with a 0

$$70 \text{ tens} = 700$$

Q8. I am a 3-digit number.

The digit in the ones place is **less than 1**.  $0 < 1$

The digits in the hundreds and tens places are the **same**.

They **make 8**.  $4 + 4 = 8$

What number am I? 440