LESSON MAKER PRO

Place Value Power

Read hundreds, tens, and ones in three-digit numbers.

GRADE 2 · NY-2.NBT.1

NY-2.NBT.1 "Understand that the digits of a three-digit number represent amounts of hundreds, tens, and ones."

NAME _____ DATE _____

HUNDREDS, TENS, ONES

In a three-digit number, the first digit tells hundreds, the middle digit tells tens, and the last digit tells ones. A digit can have a different value depending on its place.

WORKED EXAMPLE

A box holds 472 beads. Show the value of each digit.

1. The 4 is in the hundreds place, so it means 400.
2. The 7 is in the tens place, so it means 70.
3. The 2 is in the ones place, so it means 2.
4. Write 400 + 70 + 2 = 472.

Answer: 400 + 70 + 2 = 472

PRACTICE 5 problems

1 Mia has 356 toy cars. What is the value of the 5?

ANSWER _____

2 A jar has 608 buttons. Write 608 as hundreds, tens, and ones.

ANSWER _____

3 Noah sees 241 birds in a game. How many tens does the tens-place digit in 241 represent?

ANSWER _____

4 A pet store has 930 fish. What is the value of the 9?

ANSWER _____

5 A robot has 7 hundreds, 2 tens, and 5 ones. What number does the robot have?

ANSWER _____

APPLY IT Show your work

1 Ava has 184 stickers. She puts the stickers into groups of hundreds, tens, and ones. What is the value of the 8 in 184?

WORK SPACE

ANSWER _____

2 A game shelf has 3 hundreds of cards, 0 tens of cards, and 6 ones of cards. How many cards are on the shelf?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A fish tank has 909 fish. Explain why the two 9s have different values.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Power

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Mia has 356 toy cars. What is the value of the 5?	**50**
2	A jar has 608 buttons. Write 608 as hundreds, tens, and ones.	**600 + 0 + 8**
3	Noah sees 241 birds in a game. How many tens does the tens-place digit in 241 represent?	**4 tens**
4	A pet store has 930 fish. What is the value of the 9?	**900**
5	A robot has 7 hundreds, 2 tens, and 5 ones. What number does the robot have?	**725**

PART 2 · APPLY IT

1. **80** The 8 is in the tens place. It means 8 tens, or 80.
2. **306** Put 3 in the hundreds place, 0 in the tens place, and 6 in the ones place.

CHALLENGE

The first 9 is in the hundreds place, so it means 900. The last 9 is in the ones place, so it means 9.

Accept expanded form with zero tens omitted for 608, such as 600 + 8. For problem 3, the tens-place digit represents 4 tens (value 40); require 4 tens or 4 with tens understood, not bare 40 as a count. If discussing all complete groups of ten in 241, there are 24 tens and 1 one; that is a different question.