LESSON MAKER PRO

Place Value Power

Show three-digit numbers in different ways.

GRADE 2 · 2.NR.1.1

2.NR.1.1 "Explain the value of a three-digit number using hundreds, tens, and ones in a variety of ways."

NAME _____ DATE _____

HUNDREDS, TENS, ONES

A three-digit number has hundreds, tens, and ones. Each digit tells how many groups are in its place. You can show a number with words, groups, or expanded form.

WORKED EXAMPLE

A toy shelf has 462 toy cars. Show 462 in expanded form.

1. The 4 is in the hundreds place, so it means 400.
2. The 6 is in the tens place, so it means 60.
3. The 2 is in the ones place, so it means 2.
4. Add the values: 400 + 60 + 2.

Answer: 462 = 400 + 60 + 2

PRACTICE 5 problems

1 A pet store has 582 fish. Write 582 in expanded form.

ANSWER _____

2 A sticker book has 736 stickers. Tell the hundreds, tens, and ones.

ANSWER _____

3 A treasure chest has 4 hundreds, 0 tens, and 9 ones of shells. Write the number.

ANSWER _____

4 A card game has 650 cards. What is the value of the 5?

ANSWER _____

5 A block bin has 294 blocks. Complete: 200 + ___ + 4 = 294.

ANSWER _____

APPLY IT Show your work

1 At a game booth, Jada wins 3 boxes of 100 tickets, 4 packs of 10 tickets, and 8 single tickets. How many tickets does Jada win?

WORK SPACE

ANSWER _____

2 A zoo app shows 521 animal photos. Explain the value of each digit in 521.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A robot has 705 bolts. Sam says 705 is 7 hundreds and 5 ones. Lee says 705 is 700 + 0 + 5. Are both students correct? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Power

GRADE 2 · 2.NR.1.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A pet store has 582 fish. Write 582 in expanded form.	**500 + 80 + 2**
2	A sticker book has 736 stickers. Tell the hundreds, tens, and ones.	**7 hundreds, 3 tens, 6 ones**
3	A treasure chest has 4 hundreds, 0 tens, and 9 ones of shells. Write the number.	**409**
4	A card game has 650 cards. What is the value of the 5?	**50**
5	A block bin has 294 blocks. Complete: 200 + ___ + 4 = 294.	**90**

PART 2 · APPLY IT

1. **348 tickets** 3 hundreds is 300, 4 tens is 40, and 8 ones is 8. 300 + 40 + 8 = 348.
2. **5 hundreds, 2 tens, and 1 one, or 500 + 20 + 1** The 5 is worth 500, the 2 is worth 20, and the 1 is worth 1.

CHALLENGE

Yes. Both are correct because 705 has 7 hundreds, 0 tens, and 5 ones. 700 + 0 + 5 = 705.

Accept equivalent correct forms, such as "7 hundreds, 0 tens, 5 ones" for 705. For expanded form, accept sums that show the correct place values, including 0 tens when appropriate.