LESSON MAKER PRO

Place Value Power

Find the value of each digit.

GRADE 2 · 2.NBT.A

CCSS.Math.Content.2.NBT.A "Understand place value."

NAME _____ DATE _____

HUNDREDS, TENS, ONES

In a 3-digit number, the digits show hundreds, tens, and ones. Read from left to right: hundreds, tens, ones. A digit's value depends on its place.

WORKED EXAMPLE

A craft box has 472 beads. What is the value of the 7?

1. 472 has 4 hundreds, 7 tens, and 2 ones.
2. The 7 is in the tens place.
3. 7 tens = 70.

Answer: 70

PRACTICE 5 problems

1 A toy bin has 316 cars. What is the value of the 1?

ANSWER _____

2 A snack shelf has 542 crackers. How many hundreds are in 542?

ANSWER _____

3 A pet center has 708 fish. What is the value of the 7?

ANSWER _____

4 An art cart has 469 crayons. Write 469 in expanded form.

ANSWER _____

5 A game box has 8 hundreds cards, 2 tens cards, and 5 ones cards. Write the number.

ANSWER _____

APPLY IT Show your work

1 At an arcade, Jada earns 634 tickets. Sam earns 643 tickets. Who has more tickets? How do you know?

WORK SPACE

ANSWER _____

2 At the zoo, a sign says 275 visitors came today. How many visitors does the 2 stand for?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A book fair has 407 books. Eli says, "The 4 means 4 tens." Is Eli correct? Explain using hundreds, tens, and ones.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Power

GRADE 2 · 2.NBT.A

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy bin has 316 cars. What is the value of the 1?	**10**
2	A snack shelf has 542 crackers. How many hundreds are in 542?	**5 hundreds**
3	A pet center has 708 fish. What is the value of the 7?	**700**
4	An art cart has 469 crayons. Write 469 in expanded form.	**400 + 60 + 9**
5	A game box has 8 hundreds cards, 2 tens cards, and 5 ones cards. Write the number.	**825**

PART 2 · APPLY IT

1. **Sam has more tickets.** Both numbers have 6 hundreds, but 643 has 4 tens and 634 has 3 tens. Compare the hundreds first. The hundreds are equal, so compare the tens: 4 tens is greater than 3 tens.
2. **200 visitors** The 2 is in the hundreds place. It means 2 hundreds, or 200.

CHALLENGE

No. The 4 is in the hundreds place, so it means 400. The number has 4 hundreds, 0 tens, and 7 ones.

Accept 5 or "5 hundreds" for problem 2. The question asks how many hundreds, not their total value of 500. For expanded form, accept 400 + 60 + 9, with addends in any order.