

Place Value Power

Use hundreds, tens, and ones to show numbers.

GRADE 2 • 2.NS.2

2.NS.2 "The student will demonstrate an understanding of the ten-to-one relationships of the base 10 number system to represent, compare, and order whole numbers up to 999. Write the three-digit whole number represented by a given model (e.g...."

NAME _____

DATE _____

HUNDREDS, TENS, ONES

A digit's place tells its value. Ten ones make 1 ten, and ten tens make 1 hundred. Expanded form shows the value of each digit.

WORKED EXAMPLE

A toy shelf shows 4 hundreds, 7 tens, and 2 ones. Write the number in standard form and expanded form.

1. 4 hundreds = 400.
2. 7 tens = 70.
3. 2 ones = 2.
4. $400 + 70 + 2 = 472$.

Answer: 472; $400 + 70 + 2$

PRACTICE 5 problems

- 1** A toy box shows 3 hundreds, 4 tens, and 8 ones. Write the number in standard form.

ANSWER _____

- 2** A pet store has 615 fish stickers. Write 615 in expanded form.

ANSWER _____

- 3** A game card shows 209 points. Write 209 in word form.

ANSWER _____

- 4** A museum label says there are 173 shells. What place is the 7 in? What is its value?

ANSWER _____

- 5** Lena has 425 beads. Amir has 452 beads. Write $>$, $<$, or $=$ to compare: 425 ____ 452.

ANSWER _____

APPLY IT Show your work

- 1** A snack cart has 1 hundred juice boxes, 8 tens of juice boxes, and 14 single juice boxes. How many juice boxes are there?

WORK SPACE

ANSWER _____

- 2** An arcade score line is marked every 5 points. Theo's token is at the fourth tick after 60. What score is Theo at?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A prize box has 1 hundred tickets, 8 tens of tickets, and 15 single tickets. Write the number in standard form. Explain how you know.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A toy box shows 3 hundreds, 4 tens, and 8 ones. Write the number in standard form.	348
2	A pet store has 615 fish stickers. Write 615 in expanded form.	600 + 10 + 5
3	A game card shows 209 points. Write 209 in word form.	two hundred nine
4	A museum label says there are 173 shells. What place is the 7 in? What is its value?	tens; 70
5	Lena has 425 beads. Amir has 452 beads. Write >, <, or = to compare: 425 ___ 452.	<

PART 2 • APPLY IT

- 194 juice boxes** 1 hundred is 100, 8 tens are 80, and 14 ones are 14. Add $100 + 80 + 14$ to get 194.
- 80** Count by fives after 60: 65, 70, 75, 80. The fourth tick is 80.

CHALLENGE

195. 1 hundred is 100, 8 tens are 80, and 15 ones are 15. $100 + 80 + 15 = 195$.

Accept expanded form with terms in any order if the values are correct. For the challenge, accept an explanation that regroups 15 ones as 1 ten and 5 ones, making 9 tens and 5 ones.