

Number Form Detectives

Read, build, and write numbers to 1,000.

GRADE 2 • NY-2.NBT.3

NY-2.NBT.3 "Read and write numbers to 1000 using base-ten numerals, number names, and expanded form."

NAME _____

DATE _____

THREE WAYS TO SHOW A NUMBER

A three-digit number has hundreds, tens, and ones.
Expanded form shows the value of each place. Number names use words to tell the same number.

WORKED EXAMPLE

A toy bin has 571 blocks. Write the number in expanded form and as a number name.

1. 571 has 5 hundreds, 7 tens, and 1 one.
2. Write the place values: $500 + 70 + 1$.
3. Write the number name: five hundred seventy-one.

Answer: $500 + 70 + 1$; five hundred seventy-one

PRACTICE 5 problems

- 1** A pet store has 326 fish. Write 326 as a number name.

ANSWER _____

- 2** The library received four hundred eight new books. Write the numeral and the expanded form.

ANSWER _____

- 3** The prize shelf has $700 + 60 + 9$ toy tickets. Write the numeral and the number name.

ANSWER _____

- 4** A game has nine hundred fourteen points. Write the score in expanded form.

ANSWER _____

- 5** A pet rescue counted 250 donated cans. Write the number name and the expanded form.

ANSWER _____

APPLY IT

Show your work

- 1** The school library counted six hundred eighty-two new books. Write this number as a numeral and in expanded form.

WORK SPACE

ANSWER _____

- 2** A video game scoreboard shows $500 + 30 + 7$ points. Write the score as a numeral and a number name.

WORK SPACE

ANSWER _____

CHALLENGE

One step up

A class collected 3 hundreds, 14 tens, and 6 ones of beads. Write the number as a numeral, a number name, and expanded form. Explain what happens to the 14 tens.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A pet store has 326 fish. Write 326 as a number name.	three hundred twenty-six
2	The library received four hundred eight new books. Write the numeral and the expanded form.	408; $400 + 8$
3	The prize shelf has $700 + 60 + 9$ toy tickets. Write the numeral and the number name.	769; seven hundred sixty-nine
4	A game has nine hundred fourteen points. Write the score in expanded form.	$900 + 10 + 4$
5	A pet rescue counted 250 donated cans. Write the number name and the expanded form.	two hundred fifty; $200 + 50$

PART 2 • APPLY IT

1. **682; $600 + 80 + 2$** Write 682 for six hundred eighty-two. The hundreds, tens, and ones values are 600, 80, and 2.
2. **537; five hundred thirty-seven** Put together 5 hundreds, 3 tens, and 7 ones to make 537. Write the matching number name.

CHALLENGE

446; four hundred forty-six; $400 + 40 + 6$. Ten tens make 1 hundred, so 3 hundreds and 14 tens become 4 hundreds and 4 tens.

Accept expanded forms that omit a zero-value addend, such as $400 + 8$. Accept number names with or without a hyphen between the tens and ones words.