LESSON MAKER PRO

Place Value Power

Read, build, and compare four-digit numbers.

GRADE 3 · MA.3.NSO.1

MA.3.NSO.1 "Understand the place value of four-digit numbers."

NAME _____ DATE _____

PLACE VALUE MATTERS

In a four-digit number, the places from left to right are thousands, hundreds, tens, and ones. A digit's value depends on its place in the number.

WORKED EXAMPLE

Write 5,372 in expanded form.

1. The 5 is worth 5,000.
2. The 3 is worth 300.
3. The 7 is worth 70, and the 2 is worth 2.
4. Add the values: 5,000 + 300 + 70 + 2.

Answer: 5,000 + 300 + 70 + 2

PRACTICE 6 problems

1 What is the value of the 4 in 8,461?

ANSWER _____

2 Write 7,209 in expanded form.

ANSWER _____

3 Write 3,000 + 600 + 40 + 2 in standard form.

ANSWER _____

4 Which digit in 9,154 has a value of 100?

ANSWER _____

5 Write <, >, or =. 4,708 ___ 4,780

ANSWER _____

6 Write 6,030 in expanded form.

ANSWER _____

APPLY IT Show your work

1 At the school book fair, 3,746 books were sold. What is the value of the digit 7 in 3,746?

WORK SPACE

ANSWER _____

2 Jalen earned 6,081 points in a video game tournament. Write 6,081 in expanded form.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use the digits 1, 4, 0, and 9 one time each. Make the greatest four-digit number and the least four-digit number. Write each number in expanded form.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Power

GRADE 3 · MA.3.NSO.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What is the value of the 4 in 8,461?	**400**
2	Write 7,209 in expanded form.	**7,000 + 200 + 9**
3	Write 3,000 + 600 + 40 + 2 in standard form.	**3,642**
4	Which digit in 9,154 has a value of 100?	**1**
5	Write <, >, or =. 4,708 ___ 4,780	**<**
6	Write 6,030 in expanded form.	**6,000 + 30**

PART 2 · APPLY IT

1. **700** The 7 is in the hundreds place. Its value is 700.
2. **6,000 + 80 + 1** The digits show 6 thousands, 0 hundreds, 8 tens, and 1 one. The zero hundreds do not need to be written.

CHALLENGE

Greatest: 9,410 = 9,000 + 400 + 10. Least: 1,049 = 1,000 + 40 + 9.

Accept expanded forms that include a zero-value place, such as 7,000 + 200 + 0 + 9. Accept commas or no commas in correctly written four-digit numbers.