LESSON MAKER PRO

Place Value Detectives

Read, build, compare, and round numbers.

GRADE 3 · 3.NR.1

3.NR.1 "Use place value reasoning to represent, read, write, and compare numerical values up to 10,000 and round whole numbers up to 1,000."

NAME _____ DATE _____

PLACE VALUE CLUES

A digit's value depends on its place. To round to the nearest hundred, look at the tens digit. If it is 5 or more, round the hundreds digit up. If it is 4 or less, keep the hundreds digit the same.

WORKED EXAMPLE

Round 268 to the nearest hundred.

1. The hundreds digit is 2.
2. The tens digit is 6.
3. Since 6 is 5 or more, round 2 hundreds up to 3 hundreds.
4. 268 rounds to 300.

Answer: 300

PRACTICE 6 problems

1 What is the value of the digit 5 in 4,507?

ANSWER _____

2 Write 3,082 in expanded form.

ANSWER _____

3 Write 7,000 + 900 + 6 in standard form.

ANSWER _____

4 Write 6,140 in word form.

ANSWER _____

5 Write <, >, or = to compare: 2,998 ___ 3,001

ANSWER _____

6 Round 947 to the nearest hundred.

ANSWER _____

APPLY IT Show your work

1 At a school game day, the basketball booth gave out 625 tickets. The ring toss booth gave out 592 tickets. Which booth gave out more tickets? Write a comparison sentence.

WORK SPACE

ANSWER _____

2 Lena has 804 trading cards. About how many cards does she have when rounded to the nearest hundred?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Nia says 1,005 is greater than 999 because 1,005 has a thousands digit. Is Nia correct? Explain your reasoning.

WORK SPACE AND ANSWER

ANSWER KEY

Place Value Detectives

GRADE 3 · 3.NR.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What is the value of the digit 5 in 4,507?	**500**
2	Write 3,082 in expanded form.	**3,000 + 80 + 2**
3	Write 7,000 + 900 + 6 in standard form.	**7,906**
4	Write 6,140 in word form.	**six thousand one hundred forty**
5	Write <, >, or = to compare: 2,998 ___ 3,001	**<**
6	Round 947 to the nearest hundred.	**900**

PART 2 · APPLY IT

1. **The basketball booth gave out more tickets because 625 > 592.** Compare the hundreds digits. Since 6 hundreds is greater than 5 hundreds, 625 is greater than 592.
2. **800 cards** The tens digit in 804 is 0. Since 0 is less than 5, round down to 800.

CHALLENGE

Yes. 1,005 > 999 because 1,005 has 1 thousand and 999 has 0 thousands.

Accept expanded forms that correctly show the value of each nonzero digit. Accept correct word forms with standard spelling, with or without the word "and" if used consistently.