

Rounding Rocket

Use place value to land on the closest number.

GRADE 4 • TEKS 4.2.D

4.2.D "round whole numbers to a given place value through the hundred thousands place;"

NAME _____

DATE _____

ROUND WITH PLACE VALUE

Find the place you are rounding to. Look at the digit just to its right. If that digit is 5 or more, add 1 to the rounding digit. If it is 4 or less, keep the rounding digit the same, then change all digits to the right to zeros.

WORKED EXAMPLE

Round 472,681 to the nearest ten thousand.

1. The ten-thousands digit is 7.
2. The digit to its right is 2.
3. Because 2 is less than 5, keep the 7.
4. Change the digits to the right of 7 to zeros.

Answer: 470,000

PRACTICE 6 problems

1 Round 58,764 to the nearest thousand.

ANSWER _____

2 Round 431,209 to the nearest hundred thousand.

ANSWER _____

3 Round 76,450 to the nearest ten thousand.

ANSWER _____

4 Round 905,618 to the nearest hundred thousand.

ANSWER _____

5 Round 249,950 to the nearest thousand.

ANSWER _____

6 Round 18,305 to the nearest hundred.

ANSWER _____

APPLY IT Show your work

- 1** A video game was downloaded 286,473 times last month. Round the number of downloads to the nearest ten thousand.

WORK SPACE

ANSWER _____

- 2** The town library has 63,251 comic books and graphic novels. Round this number to the nearest thousand.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A science museum says its yearly visitors rounded to the nearest hundred thousand is 500,000. What is the least possible number of visitors? What is the greatest possible number of visitors?

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Round 58,764 to the nearest thousand.	59,000
2	Round 431,209 to the nearest hundred thousand.	400,000
3	Round 76,450 to the nearest ten thousand.	80,000
4	Round 905,618 to the nearest hundred thousand.	900,000
5	Round 249,950 to the nearest thousand.	250,000
6	Round 18,305 to the nearest hundred.	18,300

PART 2 • APPLY IT

1. **290,000 downloads** The ten-thousands digit is 8, and the thousands digit is 6. Round up to 290,000.
2. **63,000 comic books and graphic novels** The thousands digit is 3, and the hundreds digit is 2. Keep the 3 and change the digits to its right to zeros.

CHALLENGE

Least: 450,000 visitors. Greatest: 549,999 visitors.

Accept answers with or without commas when the value is correct. For the challenge, accept the inclusive range from 450,000 through 549,999.