LESSON MAKER PRO

Close to What?

Round numbers using hundred-thousand benchmarks.

GRADE 4 · 4.NOS.A.1

4.NOS.A.1 "Apply and extend place value understanding to multi-digit whole numbers within 1,000,000. Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form..."

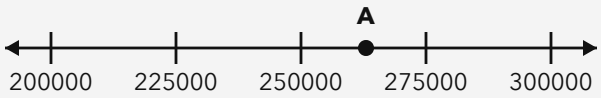
NAME _____ DATE _____

FIND THE HALFWAY POINT

To round to the nearest 100,000, find the two hundred-thousand benchmarks around the number. If the number is at or above the halfway point, round up. If it is below halfway, round down.

WORKED EXAMPLE

Round A to the nearest 100,000.



1. The benchmarks are 200,000 and 300,000.
2. Halfway between them is 250,000.
3. A is above halfway, so round up.

Answer: 300,000

PRACTICE 4 problems

1 Round 149,999 to the nearest 100,000.

ANSWER _____

2 Round 450,000 to the nearest 100,000.

ANSWER _____

3 Round 702,341 to the nearest 100,000.

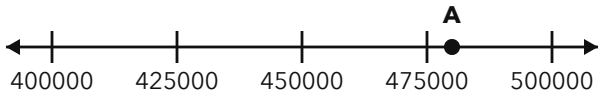
ANSWER _____

4 Round 999,999 to the nearest 100,000.

ANSWER _____

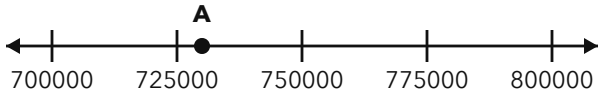
APPLY IT Show your work

1 A new game had A plays. About how many plays is that, rounded to the nearest 100,000?



ANSWER _____

2 An animal rescue video had A views. About how many views is that, rounded to the nearest 100,000?



ANSWER _____

CHALLENGE One step up

Round 549,999 and 550,000 to the nearest 100,000. Explain why the answers differ.

WORK SPACE AND ANSWER

ANSWER KEY

Close to What?

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Round 149,999 to the nearest 100,000.	**100,000**
2	Round 450,000 to the nearest 100,000.	**500,000**
3	Round 702,341 to the nearest 100,000.	**700,000**
4	Round 999,999 to the nearest 100,000.	**1,000,000**

PART 2 · APPLY IT

1. **500,000 plays** A is above the halfway point, 450,000, so it rounds to 500,000.
2. **700,000 views** A is below the halfway point, 750,000, so it rounds to 700,000.

CHALLENGE

549,999 rounds to 500,000. 550,000 rounds to 600,000 because it is exactly halfway, and numbers at halfway round up.

For the challenge, accept any explanation that identifies 550,000 as the halfway point and places 549,999 below it.