

LESSON 3

SESSION 1 ● ○ ○

Explore Rounding Whole Numbers

You have learned how to round three-digit numbers to the nearest ten or hundred. Take a look at rounding greater numbers. Use what you know to try to solve the problem below.

A food magazine surveys 36,219 readers about their favorite chutney. The data is used to help the magazine decide what recipes to include in an article about Indian cooking. To the nearest thousand, about how many readers does the magazine survey?



TRY IT



Math Toolkit

- hundred thousands
- place-value charts
- number lines
- index cards



DISCUSS IT

Ask your partner: Do you agree with me? Why or why not?

Tell your partner: I agree with you about ... because ...

CONNECT IT

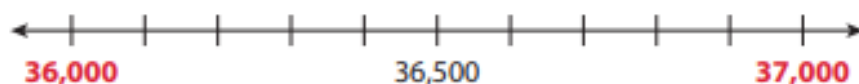
1 LOOK BACK

To the nearest thousand, about how many readers does the magazine survey?

2 LOOK AHEAD

You round to **estimate** and to make numbers easier to work with when you do not need an exact answer.

a. Mark and label 36,219 on the number line below.



b. Between which two thousands is the number 36,219? Write both numbers of thousands as numerals. and

c. Is 36,219 closer to 36,000 or 37,000 on the number line?

d. The rule for rounding numbers states that if a number is exactly halfway between, round up. What is 36,500 rounded to the nearest thousand?

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3 REFLECT

Use the rounding rule stated in problem 2d to explain how to round 1,550 to the nearest hundred.

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- 3 Solve the problem. Show your work.

A toothpaste company surveys 25,526 customers about their favorite toothpaste flavors. The data is used to help the company decide what flavors to continue making. To the nearest thousand, about how many customers does the company survey?

Solution