

GRADE 4 / WATCH MR DJ SOLVE

ROUNDING MULTI-DIGIT NUMBERS

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE**

**Round 3,749 to the nearest 100. Label both neighboring multiples and their midpoint.
Use halfway-round-up.**

- 1** Neighboring multiples: 3,700 and 3,800.
- 2** Midpoint: 3,750. The original number is below it.
- 3** Choose 3,700
- 4** a midpoint tie rounds up by agreement.

Answer: **3,700**

REMEMBER Use the original number, two neighboring multiples of the requested unit, and their midpoint. Halfway cases round up in these resources.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.

GRADE 4 / WORKED METHODS

ROUNDING MULTI-DIGIT NUMBERS

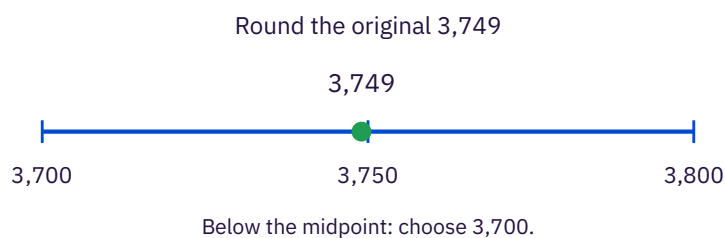
Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Round with neighboring multiples**3,749 rounds to 3,700 to the nearest hundred**

1. The neighboring hundreds are 3,700 and 3,800.
2. Their midpoint is 3,750. Place the original 3,749 just below it.
3. Distances are 49 to 3,700 and 51 to 3,800. Choose 3,700.



GRADE 4 / WORKED METHODS**ROUNDING MULTI-DIGIT NUMBERS**

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Recognize a rounding tie**6,500 rounds to 7,000 to the nearest thousand**

1. The neighboring thousands are 6,000 and 7,000; the midpoint is 6,500.
2. Both distances are 500. Neither endpoint is closer.
3. Our halfway-round-up convention chooses 7,000 in a tie.

A midpoint gives equal distances



Both distances are 500; our convention chooses 7,000.

GRADE 4 / PRACTICE

ROUNDING MULTI-DIGIT NUMBERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

1. Round 6,500 to the nearest 1,000. Label both neighboring multiples and their midpoint. Use halfway-round-up.

My answer / conclusion: _____

2. Round 23,451 to the nearest 1,000. Label both neighboring multiples and their midpoint. Use halfway-round-up.

My answer / conclusion: _____



Date _____

ROUNDING MULTI-DIGIT NUMBERS

A cartoon fox mascot with orange fur, large eyes, and a purple collar, holding a yellow pencil.

Medium 3. Round 9,980 to the nearest 100. Label both neighboring multiples and their midpoint. Use halfway-round-up.

Medium 4. Round 84,527 to the nearest 10,000. Label both neighboring multiples and their midpoint.



GRADE 4 / PRACTICE

ROUNDING MULTI-DIGIT NUMBERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔊 Medium

5. Round 605,048 to the nearest 100,000. Label both neighboring multiples and their midpoint. Use halfway-round-up.

Grid area for working on problem 5.

My answer / conclusion: _____

🔊🔊🔊 Spicy

6. Jo rounds 3,449 to 3,450, then to 3,500 to get the nearest hundred. Explain the error and round directly.

Grid area for working on problem 6.

My answer / conclusion: _____



GRADE 4 / PRACTICE

ROUNDING MULTI-DIGIT NUMBERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

7. Find the least and greatest whole numbers that round to 4,300 to the nearest hundred.

Explain both endpoints.

Grid area for working out question 7.

My answer / conclusion: _____

🔥🔥🔥🔥 Extra Spicy

8. Does rounding always increase a number? Give a decreasing example, an increasing example and an unchanged example.

Grid area for working out question 8.

My answer / conclusion: _____