Rounding Whole Numbers

Explore ideas and representations

Name _____ **Date** _____ **Score** _____ / 8

QUICK REVIEW

Find the two neighboring multiples and their midpoint. 243 is between 240 and 250; the midpoint is 245, so 243 rounds to 240. Halfway values round up: 250 rounds to 300 to the nearest 100. A rounded count is an estimate.

Worked example

Which multiple of 10 is closer to 67? Use distances.

1. Distance down: $67 - 60 = 7$. Distance up: $70 - 67 = 3$.
2. The smaller distance is 3, so 70 is closer.
Answer: 70.

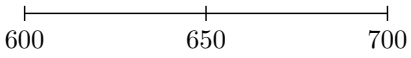
Practice Problems

Show your thinking.

1. Round 243 to the nearest 10. Name the two neighboring multiples.

2. Which multiple of 10 is closer to 368? Use distances.

3. Round 650 to the nearest 100. Use the labeled interval.

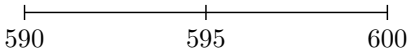


4. Round 482 to the nearest 10 and the nearest 100. Keep the two results separate.

5. Round 715 to the nearest 10. Name the two neighboring multiples.

6. Teo rounds 327 to 400 to the nearest 100. Correct him and explain the midpoint test.

7. Round 594 to the nearest 10. Use the labeled interval.



8. Which multiple of 10 is closer to 261? Use distances.

Answer Key

1. 240.
2. 370.
3. 700.
4. Nearest 10: 480. Nearest 100: 500.
5. 720.
6. 300, not 400.
7. 590.
8. 260.

Step-by-Step Solutions

Follow each calculation, then check your own work.

Problem 1

1. 243 lies between 240 and 250; the halfway number is 245.
2. 243 is below 245, so round to 240.

Problem 2

1. Distance down: $368 - 360 = 8$. Distance up: $370 - 368 = 2$.
2. The smaller distance is 2, so 370 is closer.

Problem 3

1. The endpoints are 600 and 700, with midpoint 650.
2. 650 is at or right of the midpoint; choose 700.

Problem 4

1. For tens, use 480 and 490, halfway 485; the result is 480.
2. For hundreds, use 400 and 500, halfway 450; the result is 500.

Problem 5

1. 715 lies between 710 and 720; the halfway number is 715.
2. 715 is at or above 715, so round to 720.

Problem 6

1. The bounding multiples are 300 and 400, halfway at 350.
2. 327 is below 350; it rounds to 300.

Problem 7

1. The endpoints are 590 and 600, with midpoint 595.
2. 594 is left of the midpoint; choose 590.

Problem 8

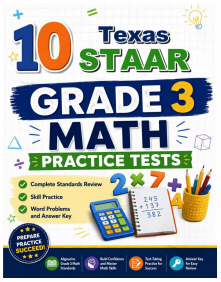
1. Distance down: $261 - 260 = 1$. Distance up: $270 - 261 = 9$.
2. The smaller distance is 1, so 260 is closer.

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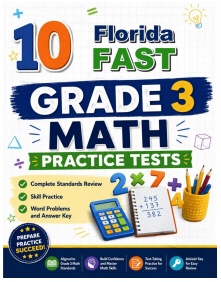
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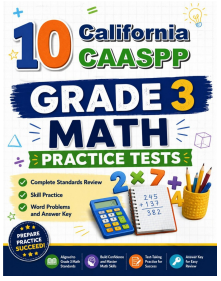
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