

Grade 4 · Rounding Multi-Digit Numbers · Test Answer Key

Common Core 4.NBT.A.3 · mathovore.fr

This answer key gives the worked solution and the scoring for each rounding question. Add the points to get a score out of 20. A score of 16 or more shows that the student rounds to any place with confidence.

Grade 4 Common Core: 4.NBT.A.3

Question 1: Nearest ten (2 points)

- a. The tens digit is 6 and the digit to its right is 8, so round up: **570**.
- b. The tens digit is 9 and the digit to its right is 5, so round up. The 9 carries: **3,000**.

Scoring: 1 point for each correct answer.

Question 2: Nearest hundred (2 points)

- a. The hundreds digit is 4 and the digit to its right is 4, so round down: **7,400**.
- b. The hundreds digit is 6 and the digit to its right is 5, so round up: **18,700**.

Scoring: 1 point for each correct answer.

Question 3: Nearest thousand (2 points)

- a. The thousands digit is 2 and the digit to its right is 4, so round down: **52,000**.
- b. The thousands digit is 6 and the digit to its right is 5, so round up: **347,000**.

Scoring: 1 point for each correct answer.

Question 4: Larger places (2 points)

Thousands period			Ones period		
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
4	6	8	2	0	0

The hundred thousands digit is 4 and the digit to its right is 6.

- a. The ten thousands digit is 8 and the digit to its right is 4, so round down: **80,000**.
- b. The hundred thousands digit is 4 and the digit to its right is 6, so round up: **500,000**.

Scoring: 1 point for each correct answer.

Question 5: Town populations (2 points)

- a. The thousands digit is 4 and the digit to its right is 8, so round up: **5,000**.
- b. The thousands digit is 2 and the digit to its right is 3, so round down: **12,000**.

Scoring: 1 point for each correct answer.

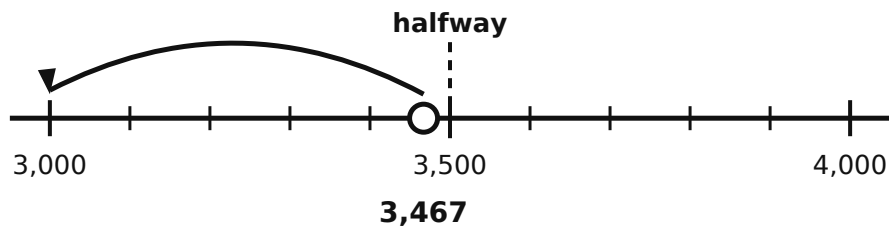
Question 6: Which round to 600 (2 points)

Rounded to the nearest hundred: 549 is 500, 550 is 600, 610 is 600, 649 is 600, and 650 is 700.

550, 610, and 649

Scoring: 2 points for exactly the three correct numbers. 1 point if two correct numbers are circled and no wrong number is circled, or if all three are circled with one extra.

Question 7: Point on a number line (3 points)



3,467 is before the halfway mark 3,500, so it rounds to 3,000 to the nearest thousand.

- a. The hundreds digit is 4, so round down: **3,000**.
- b. The tens digit is 6, so round up: **3,500**.
- c. The ones digit is 7, so round up: **3,470**.

Scoring: 1 point for each correct answer.

Question 8: Find the error (3 points)

- a. No. The correct answer is **7,000**.
- b. The digit to the right of the hundreds place is 5, so he should round up. The 9 becomes 10 and carries to the thousands place. Ethan rounded down instead.
- c. The halfway mark between 6,000 and 7,000 is 6,500, and it rounds up. The least number is **6,500**.

Scoring: 1 point for no and 7,000. 1 point for stating that 5 rounds up. 1 point for 6,500.

Question 9: Concert attendance (2 points)

- a. The thousands digit is 8 and the digit to its right is 4, so round down: **18,000**.
- b. The hundreds digit is 4 and the digit to its right is 6, so round up: **18,500**.

Scoring: 1 point for each correct answer.

Total
20 points