

Grade 3 · Rounding to the Nearest 10 and 100 · Test Answer Key

Common Core 3.NBT.A.1 · mathovore.fr

Use this key to score the test out of 20 points. Each solution shows the digit that decides the rounding, and the scoring note tells how to give partial credit.

Grade 3 Common Core: 3.NBT.A.1

Question 1: Nearest 10 (3 points)

- a. 47 rounds to 50.
- b. 135 rounds to 140.
- c. 598 rounds to 600.

Scoring: 1 point for each correct number. 135 must be 140 and 598 must be 600.

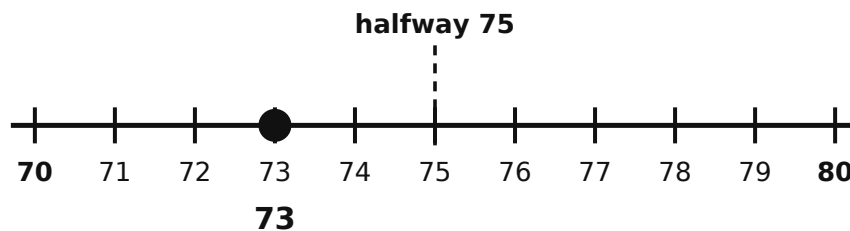
Question 2: Nearest 100 (3 points)

- a. 214 rounds to 200.
- b. 650 rounds to 700.
- c. 972 rounds to 1,000.

Scoring: 1 point for each correct number.

Question 3: Number line check (2 points)

- a. 73 is before the halfway mark 75, so it rounds to **70**.
- b. 75 is exactly halfway: it is 5 away from 70 and 5 away from 80. The rule says halfway rounds up, so it rounds to **80**.

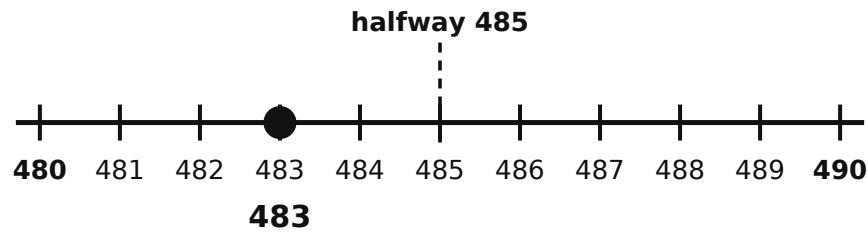


The halfway mark is 75. The point 73 is to the left of it.

Scoring: 1 point for 70. 1 point for explaining that 75 is halfway and rounds up to 80.

Question 4: One number, two roundings (2 points)

- a. The ones digit is 3, so 483 rounds to 480.
- b. The tens digit is 8, so the hundreds digit 4 goes up: 483 rounds to 500.



483 is before 485, so it is closer to 480.

Scoring: 1 point for each correct rounded number.

Question 5: Cards that round to 500 (2 points)

449 → 400, 450 → 500, 538 → 500, 551 → 600, 549 → 500.

The numbers are **450, 538, and 549**.

Scoring: 2 points for all three numbers and no extras. 1 point for two correct numbers with no extras, or for all three plus one extra.

Question 6: Estimate and check (2 points)

- a. $62 \rightarrow 60$ and $29 \rightarrow 30$, so $60+30=90$. The estimate is **90**.
- b. $62+29=91$. The estimate is **1** less than the exact sum.

Scoring: 1 point for the estimate. 1 point for the exact sum and the difference of 1.

Question 7: Numbers that round to 70 (2 points)

65 rounds up to 70, while 64 rounds down to 60. 74 rounds to 70, while 75 rounds up to 80.

Smallest: **65**. Greatest: **74**.

Scoring: 1 point for each correct number.

Question 8: Weekend drive (2 points)

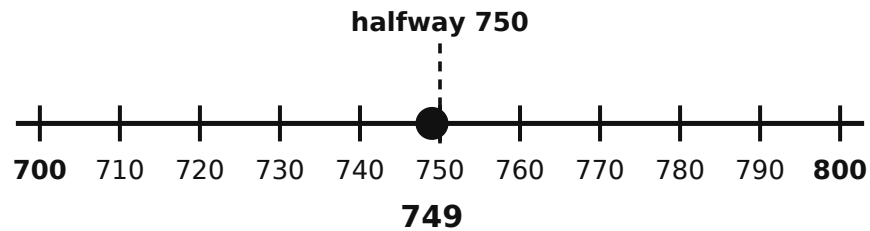
- a. $178 \rightarrow 200$ and $226 \rightarrow 200$, so $200+200=400$ miles.
- b. $178+226=404$ miles. The estimate is **4** miles less than the exact total.

Scoring: 1 point for the estimate of 400. 1 point for 404 and the difference of 4.

Question 9: Find the mistake (2 points)

Mei looked at the 9 in the ones place. To round to the nearest 100, she should look at the tens digit, which is 4. Since 4 is less than 5, the hundreds digit stays the same.

The correct answer is **700**.



749 is just before the halfway mark 750, so it rounds down to 700.

Scoring: 1 point for explaining that the tens digit decides. 1 point for 700.

Total
20 points