

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

Common Core 3.NBT.A.1 · mathovore.fr

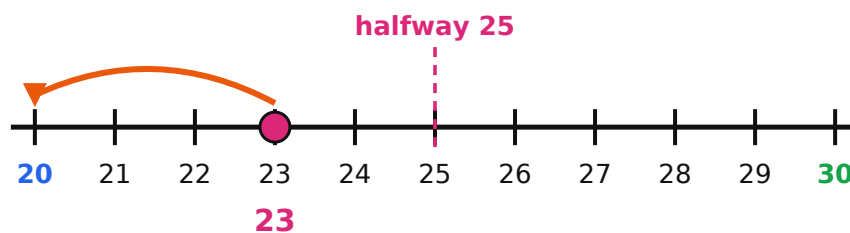
Every answer shows the digit you look at and why the number rounds up or down. Use the steps to check your work, then fix any mistakes and try the problem again.

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

Problem 1: Round to the nearest 10, ones digit small

The ones digit is 3, which is less than 5. Keep the tens digit and write 0 in the ones place.

23 rounds to 20.

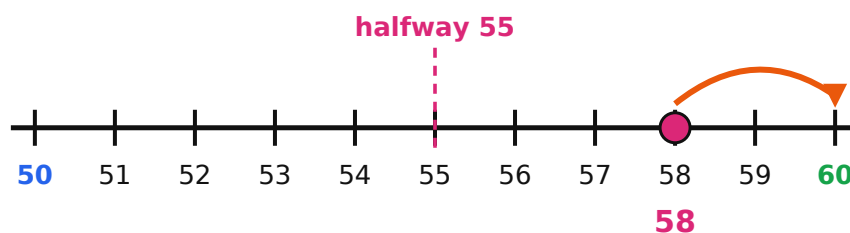


23 jumps back to 20.

Problem 2: Round to the nearest 10, ones digit large

The ones digit is 8, which is 5 or more. Add 1 to the tens digit: $5 + 1 = 6$.

58 rounds to 60.



58 jumps forward to 60.

Problem 3: Four numbers to the nearest 10

- a. 71 rounds to 70 (ones digit 1).

- b. 76 rounds to 80 (ones digit 6).
- c. 74 rounds to 70 (ones digit 4).
- d. 79 rounds to 80 (ones digit 9).

Problem 4: Halfway numbers

- a. 45 is halfway, so it rounds up to 50.
- b. 85 is halfway, so it rounds up to 90.
- c. 135 is halfway, so it rounds up to 140.

Problem 5: Which ten is closer?

The point is before the halfway mark 85, so it is closer to 80. Check: $83 - 80 = 3$ and $90 - 83 = 7$.

The closer ten is 80.

Problem 6: Three-digit numbers to the nearest 10

- a. 142 rounds to 140 (ones digit 2).
- b. 367 rounds to 370 (ones digit 7).
- c. 505 rounds to 510 (ones digit 5).
- d. 996 rounds to 1,000 (ones digit 6).

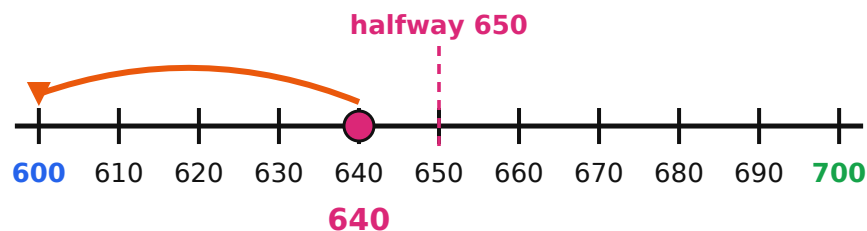
Problem 7: Round to the nearest 100

- a. 312 rounds to 300 (tens digit 1).
- b. 689 rounds to 700 (tens digit 8).
- c. 450 rounds to 500 (tens digit 5).
- d. 950 rounds to 1,000 (tens digit 5).

Problem 8: Hundreds on a number line

The halfway mark is 650. Since 640 is before 650, it is closer to 600.

640 rounds to 600.



640 jumps back to 600.

Problem 9: Rounding 99 to the nearest 10

The ones digit is 9, so round up. The tens digit 9 plus 1 equals 10 tens, which is 100.

99 rounds to 100.

Problem 10: Complete the rounding table

Number	Nearest 10	Nearest 100
276	280	300
543	540	500
805	810	800
99	100	100

Problem 11: Numbers that round to 40

Round each number: 31 → 30, 34 → 30, 35 → 40, 38 → 40, 41 → 40.

The numbers that round to 40 are **35, 38, and 41**.

Problem 12: Smallest and greatest

The numbers must be at least 55 (halfway rounds up) and less than 65 (65 rounds up to 70).

Smallest: **55**. Greatest: **64**.

Problem 13: Range for 300

The halfway points are 250 and 350. The number 250 rounds up to 300. The number 350 rounds up to 400, so it is too big.

Smallest: **250**. Greatest: **349**.

Problem 14: Find the mistake: hundreds

Look at the tens digit. It is 6, which is 5 or more, so the hundreds digit goes up by 1.

Liam is not right. 465 rounds to 500.

Problem 15: Two different roundings

To the nearest 10, the ones digit 8 sends the 4 tens up to 5 tens, so 248 rounds to 250.

To the nearest 100, the tens digit 4 is less than 5, so the hundreds digit 2 stays. 248 rounds to

200.

Each place looks at a different digit, so the results can differ.

Problem 16: Round and compare

548 rounds to 500 (tens digit 4). 652 rounds to 700 (tens digit 5).

$500 < 700$. The answer is $500 < 700$.

Problem 17: Estimate a sum

38 rounds to 40. 47 rounds to 50.

$40 + 50 = 90$.

The estimate is **90**. (The exact sum, 85, is close.)

Problem 18: Estimate a difference

683 rounds to 700. 216 rounds to 200.

$700 - 200 = 500$.

The estimate is **500**. (The exact answer, 467, is close.)

Problem 19: Road trip miles

Nearest 10: the ones digit 7 rounds up, so $237 \rightarrow 240$.

Nearest 100: the tens digit 3 is small, so $237 \rightarrow 200$.

About **240 miles** to the nearest 10 and about **200 miles** to the nearest 100.

Problem 20: Bake sale estimate

\$153 rounds to \$200 and \$248 rounds to \$200. Estimate: $\$200 + \$200 = \$400$.

Exact: $\$153 + \$248 = \$401$.

The estimate is **\$400** and the exact total is **\$401**. The estimate is close, so the answer is reasonable.

Problem 21: Can drive

482 rounds to 500. 317 rounds to 300.

$$500 - 300 = 200.$$

Jamal's class collected about **200 more cans**. (Exact: $482 - 317 = 165$.)

Problem 22: Game attendance

The halfway points around 600 are 550 and 650. The number 550 rounds up to 600, but 650 rounds up to 700.

Least: **550 fans**. Greatest: **649 fans**.

Problem 23: Pages read

$$38 \rightarrow 40, 47 \rightarrow 50, 52 \rightarrow 50.$$

$$40 + 50 + 50 = 140.$$

Sofia read about **140 pages**. (Exact: 137 pages.)

Problem 24: Is Ethan right?

The halfway point between 300 and 400 is 350. The number 351 is just past 350, so it is closer to 400. The tens digit 5 also tells us to round up.

Yes, **Ethan is right: 351 rounds to 400**.