

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

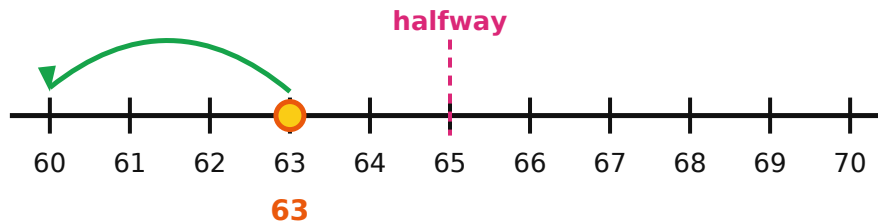
Common Core 4.NBT.A.3 · mathovore.fr

Each rounding problem is solved here with the rounding place, the digit to its right, and the final answer. Check your work against the steps, not only the answer. Number lines show why numbers round up or down.

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

Problem 1: Nearest ten on a number line

63 is between 60 and 70. The halfway mark is 65. Since 63 is less than 65, it is closer to 60.



63 is before the halfway mark 65, so it rounds to 60.

63 rounds to **60**.

Problem 2: Halfway rounds up

The tens digit is 8. The digit to its right is 5, so round up. The 8 becomes 9. 85 is exactly halfway between 80 and 90, and halfway numbers round up.

90

Problem 3: Round to the nearest ten

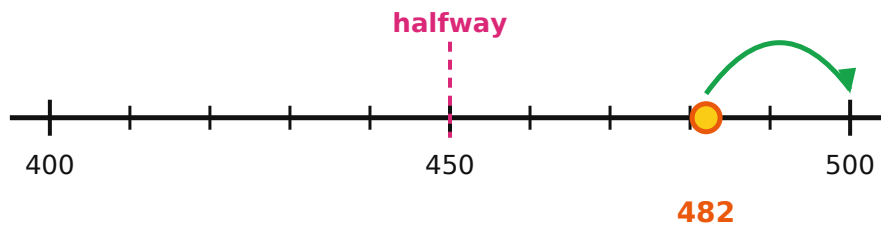
The tens digit is 8. The digit to its right is 2, which is 4 or less, so the 8 stays. The ones digit becomes 0.

480

Problem 4: Nearest hundred

The hundreds digit is 4. The digit to its right is 8, which is 5 or more, so the 4 becomes 5. The

tens and ones become zeros.



482 is past the halfway mark 450, so it rounds to 500.

482 rounds to **500**.

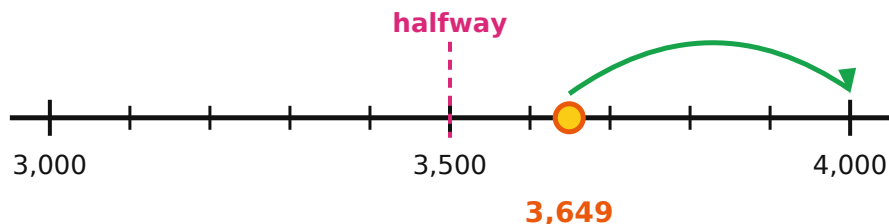
Problem 5: Hundreds in a four-digit number

The hundreds digit is 6. The digit to its right is 4, so the 6 stays. The tens and ones become zeros.

3,600

Problem 6: Nearest thousand

The thousands digit is 3. The digit to its right is 6, which is 5 or more, so the 3 becomes 4. The hundreds, tens, and ones become zeros.



3,649 is past the halfway mark 3,500, so it rounds to 4,000.

3,649 rounds to **4,000**.

Problem 7: Exactly halfway

The thousands digit is 7. The digit to its right is 5, so round up. 7,500 is halfway between 7,000 and 8,000, and halfway rounds up.

8,000

Problem 8: Nearest ten thousand

The ten thousands digit is 2. The digit to its right is 5, so the 2 becomes 3. Every digit after it becomes 0.

30,000

Problem 9: Thousands in a five-digit number

The thousands digit is 8. The digit to its right is 2, so the 8 stays. The hundreds, tens, and ones become 0.

48,000

Problem 10: A 9 that stays

The hundreds digit is 8. The digit to its right is 6, so the 8 becomes 9. The tens and ones become 0.

99,900

Problem 11: Carry across places

The hundreds digit is 9. The digit to its right is 5, so round up. $9+1=10$, so write 0 and carry 1. The carry moves through every 9 to the left: 99,900 plus 100 is 100,000.

100,000

Problem 12: Nearest hundred thousand

The hundred thousands digit is 6. The digit to its right is 4, so the 6 stays. All the digits to the right become zeros.

600,000

Problem 13: Round up into the next ten thousand

The ten thousands digit is 4. The digit to its right is 9, so the 4 becomes 5. The rest become zeros.

850,000

Problem 14: One number, every place

For each place, look at the digit to its right.

Round to the nearest	Digit to the right	Rounded number
ten	8	372,470
hundred	6	372,500
thousand	4	372,000
ten thousand	2	370,000
hundred thousand	7	400,000

372,468 rounded to each place, with the digit that decides each answer.

Answers: **372,470; 372,500; 372,000; 370,000; 400,000.**

Problem 15: Rounds to 60

A number rounds to 60 if it is at least halfway down from 60 to 50, and less than halfway up to 70. The halfway marks are 55 and 65. 55 rounds up to 60, but 65 rounds up to 70.

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

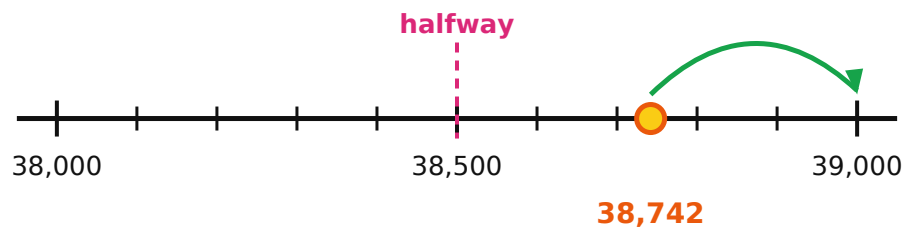
Problem 16: Rounds to 4,000

The halfway marks are 3,500 and 4,500. 3,500 rounds up to 4,000. 4,500 rounds up to 5,000, so the greatest is 4,499.

Smallest: **3,500**. Greatest: **4,499**.

Problem 17: Attendance report

The thousands digit is 8. The digit to its right is 7, so round up. 38,742 is past the halfway mark 38,500.



38,742 rounds to 39,000.

The scoreboard shows about **39,000** fans.

Problem 18: Road trip

Nearest hundred: the hundreds digit is 4 and the digit to its right is 6, so round up to 2,500.

Nearest ten: the tens digit is 6 and the digit to its right is 8, so round up to 2,470.

About **2,500 miles** to the nearest hundred and **2,470 miles** to the nearest ten.

Problem 19: Find the mistake

The digit to the right of the hundreds place is 5. A 5 means round up, but Sofia let the 3 stay. The 3 should become 4.

The correct answer is **4,400**.

Problem 20: Pencil sales

1,284 rounded to the nearest ten is 1,280. Rounded to the nearest thousand it is 1,000.

Rounded to the nearest hundred it is 1,300, which matches the sign.

The number was rounded to the **nearest hundred**.

Problem 21: Same or different

Nearest thousand: 7,450 has 4 hundreds, so it rounds down to 7,000. 7,396 has 3 hundreds, so it also rounds to 7,000. Nearest hundred: 7,450 has a 5 in the tens place, so it rounds up to 7,500. 7,396 has a 9 in the tens place, so it rounds up to 7,400.

To the nearest thousand: **7,000 and 7,000** (same). To the nearest hundred: **7,500 and 7,400** (different).

Problem 22: Mystery number

Rounds to 5,340 to the nearest ten: from 5,335 to 5,344. Rounds to 5,300 to the nearest hundred: from 5,250 to 5,349. Numbers in both lists: 5,335 to 5,344.

Least: **5,335**. Greatest: **5,344**.