

ROUNDING

A ROUNDING TO THE NEAREST TEN

Definition Rounding

Rounding means finding the closest ten or hundred to a number.

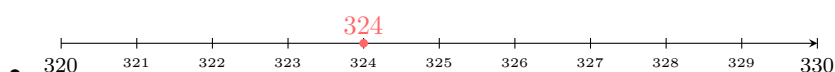
Method Rounding to the Nearest Ten

- If the ones digit is 0, 1, 2, 3, or 4, change it to 0. This is called **rounding down**.
- If the ones digit is 5, 6, 7, 8, or 9, change it to 0 and increase the tens digit by 1. This is called **rounding up**.

Ex: Round 324 to the nearest ten.

Answer:

- The ones digit is $4 < 5$, so change it to 0. After rounding, 324 becomes 320.



324 is between 320 and 330 but closer to 320.

B ROUNDING TO THE NEAREST HUNDRED

Method Rounding to the Nearest Hundred

- If the digit in the tens column is 0, 1, 2, 3, or 4, replace the tens and ones digits with 0. This is called **rounding down**.
- If the digit in the tens column is 5, 6, 7, 8, or 9, replace the tens and ones digits with 0 and add 1 to the hundreds digit. This is called **rounding up**.

Ex: Round 324 to the nearest hundred.

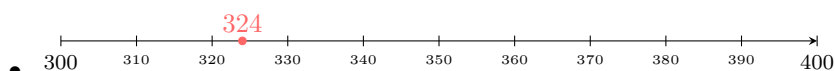
Answer:

- | Hundreds | Tens | Ones |
|----------|------|------|
| 3 | 2 | 4 |

- The tens digit is $2 < 5$. Replace the tens and ones digits with 0:

Hundreds	Tens	Ones
3	0	0

- After rounding, 324 becomes 300.



324 is closer to 300 than 400.