



ROUNDING DECIMALS





RULES FOR ROUNDING

- Look at the digit to the right of the place being rounded.



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RULES FOR ROUNDING

- The digit remains the same if the digit to the right is 0, 1, 2, 3, or 4.



RULES FOR ROUNDING

- Round up if the digit to the right is 5, 6, 7, 8, or 9.



⋮ ⋮ RULES FOR ROUNDING DECIMAL NUMBERS

- The deciding digit and every digit to the right is *not* changed to a zero as in whole number rounding.

⋮ ⋮ RULES FOR ROUNDING DECIMAL NUMBERS

- Putting zeros on the end of a decimal number does not change the value of the number, but it does change the way the number is read.

EXAMPLES

Round 4.3 to the nearest whole number.

- Underline place value being rounded
- Draw arrow over the deciding digit



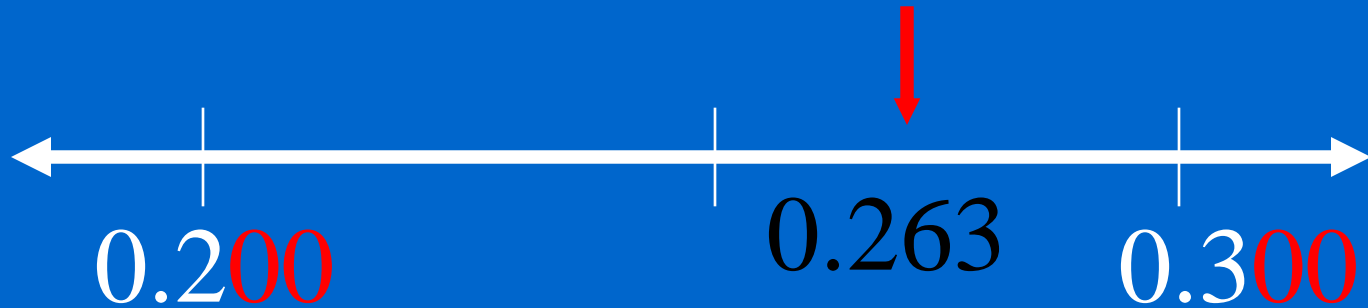
4.3 rounds to 4 . . .

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EXAMPLES

Round 0.263 to the nearest tenth.

- Underline place value being rounded
- Draw arrow over the deciding digit



0.263 rounds to 0.3

EXAMPLES

Round 9.875 to the nearest hundredth.

- Underline place value being rounded
- Draw arrow over the deciding digit



9.875 rounds to 9.88

EXAMPLES

Round to the underlined digit.

18.44  18

0.849  0.85

19.775  19.78

4.004  4.0