

REVIEW: Rounding Decimals

Name _____

Key Concept and Vocabulary

round up

Decision digit
is 5, 6, 7, 8,
or 9.

round down

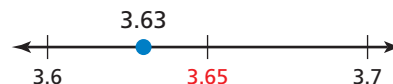
Decision digit
is 0, 1, 2, 3,
or 4.

Rounding



Visual Model

Round 3.63 to the *nearest tenth*.



3.63 is closer to 3.6 than to 3.7. So, 3.63 rounds to 3.6.

Skill Examples

- To the *nearest whole number*:
3.129 rounds to 3.
- To the *nearest tenth*:
4.78 rounds to 4.8.
- To the *nearest hundredth*:
0.143 rounds to 0.14.

Application Example

- The price of 1 gallon of gasoline is \$2.899.
Round this price to the nearest cent.

To the *nearest cent*: 2.899 rounds to 2.90.

- The price of 1 gallon of gasoline is about \$2.90.



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Round to the nearest whole number.

5. 5.74 _____ 6. 1.004 _____ 7. 26.237 _____ 8. 4.506 _____

Round to the nearest tenth.

9. 0.16 _____ 10. 0.738 _____ 11. 1.05 _____ 12. 10.049 _____

Round to the nearest hundredth.

13. 0.012 _____ 14. 2.406 _____ 15. 0.463 _____ 16. 12.006 _____

Round the butterfly's weight to the nearest hundredth of a gram.

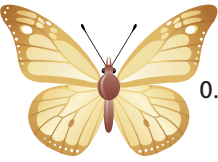
17.  0.034 g



18.  0.107 g



19.  0.008 g



20. **PRICE OF GAS** The price of 1 gallon of gasoline is \$2.479. Round this price to the nearest cent. _____
21. **BUTTERFLY WEIGHTS** All species of butterflies weigh between 0.003 gram and 3 grams. Explain why it would *not* make sense to round some butterfly weights to the nearest hundredth of a gram.

