

REVIEW: Comparing and Ordering Decimals


Name _____

Key Concept and Vocabulary

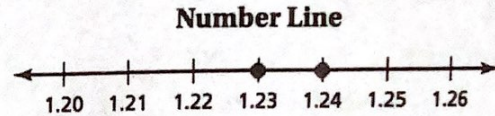
is less than
 $1.23 < 1.24$

is greater than
 $1.24 > 1.23$

Order decimals.



Visual Model



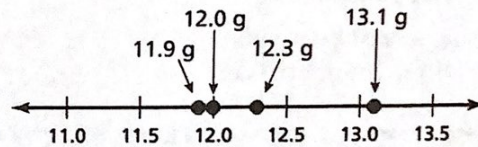
$1.23 < 1.24$ because 1.23 is to the left of 1.24 on the number line.

Skill Examples

- $34.07 > 30.47$
- $12.35 < 12.38$
- $17,056.4 > 17,055.9$
- $0.4 = 0.40$
- $0.103 > 0.099$

Application Example

6. Order the weights from least to greatest:
 12.3 g, 11.9 g, 12.0 g, 13.1 g.



∴ 11.9 g, 12.0 g, 12.3 g, 13.1 g

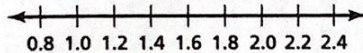
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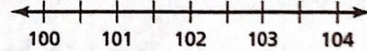
Check your answers at BigIdeasMath.com.

Use a number line to compare.

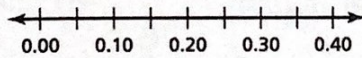
7. $1.6 \bigcirc 1.7$



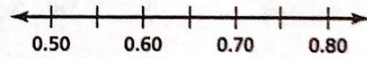
8. $102.5 \bigcirc 100.5$



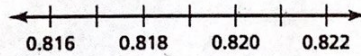
9. $0.35 \bigcirc 0.05$



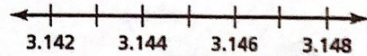
10. $0.60 \bigcirc 0.65$



11. $0.821 \bigcirc 0.819$



12. $3.143 \bigcirc 3.145$

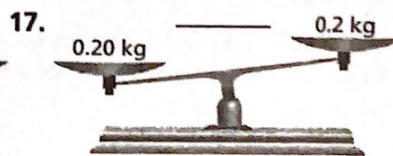
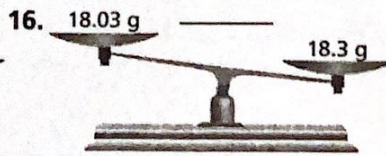
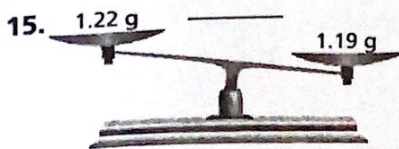


Order the lengths from least to greatest.

13. 29.9 ft, 32.3 ft, 31.7 ft, 31.75 ft

14. 0.5 m, 0.05 m, 1.02 m, 0.08 m

Is the scale reading correctly?

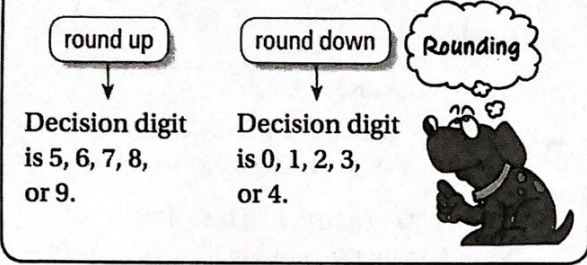


18. **OPEN-ENDED** Newton is thinking of a number that is greater than 0.4 and less than 0.5. The greatest digit in the number is in the hundredths place. What might Newton's number be? _____

REVIEW: Rounding Decimals

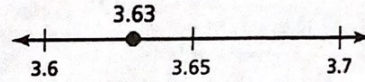
Name _____

Key Concept and Vocabulary



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.



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.
- _____
- _____