REVIEW: Comparing and Ordering Decimals

Name _____

Key Concept and Vocabulary

is less than → $1.23 < 1.24$

is greater than → $1.24 > 1.23$

Visual Model

Number Line

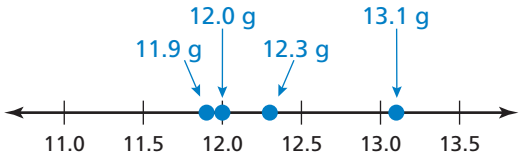
$1.23 < 1.24$ because 1.23 is to the left of 1.24 on the number line.

Skill Examples

1. $34.07 > 30.47$
2. $12.35 < 12.38$
3. $17{,}056.4 > 17{,}055.9$
4. $0.4 = 0.40$
5. $0.103 > 0.099$

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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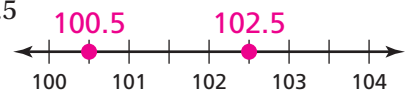
Check your answers at BigIdeasMath.com.

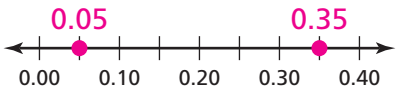
Use a number line to compare.

7. $1.6 < 1.7$

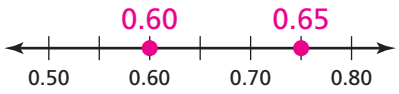
8. $102.5 > 100.5$



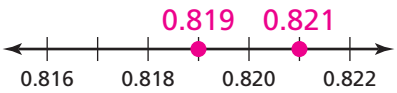
9. $0.35 > 0.05$



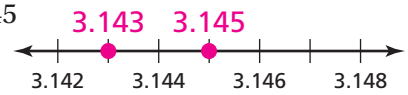
10. $0.60 > 0.65$



11. $0.821 > 0.819$



12. $3.143 < 3.145$



Order the lengths from least to greatest.

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

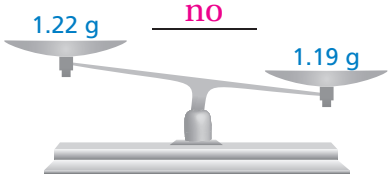
29.9 ft, 31.7 ft, 31.75 ft, 32.3 ft

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

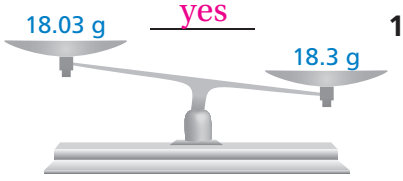
0.05 m, 0.08 m, 0.5 m, 1.02 m

Is the scale reading correctly?

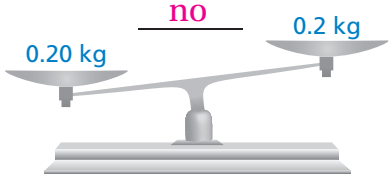
15. no



16. yes



17. no



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? _____

Sample answer: 0.45