

Compare, Order, and Round Decimals

Compare Decimals

To compare 0.56 and 0.6:

- Align the decimal points

$$\begin{array}{r} 0.56 \\ 0.6 \\ \uparrow \end{array}$$

- Compare the digits until they are different.

$0.56 < 0.6$

Compare. Write $>$, $<$, or $=$ for each \bigcirc .

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|-------------------------|--------------------------|---------------------------|
| 1. $7.23 \bigcirc 7.2$ | 2. $0.145 \bigcirc 0.45$ | 3. $0.081 \bigcirc 0.81$ |
| 4. $0.9 \bigcirc 0.900$ | 5. $6.22 \bigcirc 0.62$ | 6. $5.073 \bigcirc 5.307$ |

Order the numbers from greatest to least.

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| 7. $6.2; 6.02; 6$ _____ | 8. $5.32; 0.325; 2.53$ _____ |
| 9. $1.09; 11.9; 19.1$ _____ | 10. $3.18; 0.83; 3.8$ _____ |

Round to the place of the underlined digit.

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| 11. $7.\underline{1}56$ _____ | 12. $34.\underline{2}77$ _____ | 13. $0.\underline{9}81$ _____ |
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Compare. Write $>$, $<$, or $=$ for each \bigcirc , given $a = 0.465$, $b = 0.8$, $c = 0.06$, and $d = 1$.

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| 14. $a \bigcirc c$ | 15. $d \bigcirc b$ | 16. $a \bigcirc b$ |
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Problem Solving

Show Your Work

17. Precious jewels are measured in carats. A jeweler has a ruby weighing 0.627 carats, a diamond weighing 0.82 carats, and a pearl weighing 0.092 carats. List the jewels in order from heaviest to lightest.
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