

Comparing and Ordering Rational Numbers

To Order Rational Numbers (Fractions, Decimals, Percents & #'s written in Scientific Notation)

1. Convert all numbers to a common format.
2. Put them required ordered.
3. Rewrite in the original format.

Review: Order the following decimals from least to greatest:

- 1) 0.402, 0.42, 0.375, 1.2 2) $0.3\bar{2}$, $2.\bar{5}$, 0.321, 2.52 3) $7.\bar{8}$; 7.88; 8.01; 7.79

Answer:

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Compare the following rational numbers using $>$, $<$, or $=$

1) 10% $\frac{1}{8}$

2) 0.5 $\frac{3}{5}$

3) 1.7 170%

4) $2\frac{3}{4}$ 2.75%

5) 15% $\frac{1}{5}$

6) 50% 0.05

Order the following numbers from least to greatest:

7) 135%, 13.5, $8\frac{3}{5}$, 3.9×10^2

8) $\frac{1}{6}$, 16.7%, 0.16, 3.2×10^{-3}