

Ordering Numbers



i. Identify whether each of the following statements is true or false

- $0 > 1$
- $1.00 = 1$
- $1.001 \neq 1$
- $3 < 3$
- $2 \leq 2$
- $1 < 2 \leq 3$
- $5 > 3 > 0$
- $-3 < 1 > 3$

ii. Consider the following numbers:

1.25% $\frac{1}{3}$ 0.34 1.23 $\frac{3}{100}$ 0.5 3% - 1.1 $\frac{1}{20}$ 0.1%

Which of these numbers are:

- $> \frac{1}{3}$
- ≤ 0.1
- Equal to another number in the list

iii. Rearrange each of the following lists of decimal numbers from smallest to largest

- 99 27 - 4 5 - 65 0 21
- 76.1 63 101 99 100.1 276 2.1
- 0.8894 0.2427 0.5021 0.9616 0.8760 0.0738
- 1.111 1.1 1.101 1.11 1.01 1.0
- 81.63 39.42 84.12 99.02 65.68 0.48
- 8.73 0.412 1.015 - 5.837 4.897 - 2.601

iv. Rearrange each of the following lists of fractions from smallest to largest

- $\frac{1}{2}$ $\frac{1}{5}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{6}$
- $\frac{3}{10}$ $\frac{46}{100}$ $\frac{4}{20}$ $\frac{99}{100}$ $\frac{74}{100}$
- $\frac{2}{3}$ $\frac{1}{9}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{2}$
- $\frac{2}{3}$ - $\frac{1}{4}$ $\frac{2}{7}$ - $\frac{1}{5}$ $\frac{1}{2}$

v. Rearrange each of the following lists of numbers from smallest to largest

- 60% $\frac{1}{2}$ 0.51 0.65 $\frac{2}{3}$
- $\frac{99}{100}$ $\frac{49}{50}$ 0.999 1.01 99.5%
- 0.1 $\frac{1}{20}$ 4.25 $\frac{2}{50}$ 2.5%