



Problem of the Week

Problem B

Let's Get These Numbers in Order

- (a) List the following twelve numbers from least to greatest value.

$$2.04, 1.02, \frac{85}{100}, \frac{175}{100}, \frac{7}{4}, 1\frac{1}{8}, 0.91, \frac{46}{20}, 0.091, \frac{14}{25}, \frac{3}{5}, 1.1$$

Plot these numbers on a number line.

- (b) Determine the largest gap in between two adjacent numbers on the number line.
- (c) For your list in part (a), determine a number between the two numbers in the middle of the list, with your number being closer to the larger of the two.

$$0 < 1.189 < 1.19 < 1.2 < 2$$