

Mean, median, mode puzzle

Create a list of non-negative integers (i.e. whole numbers) such that the mean, median, and mode are single, integer values, and which satisfy:

- (1) Mean < Median < Mode
- (2) Mean < Mode < Median
- (3) Median < Mean < Mode
- (4) Median < Mode < Mean
- (5) Mode < Mean < Median
- (6) Mode < Median < Mean

Your score for each of the 6 challenges is the largest number you used in your list of numbers. The default score for a challenge that you do not complete is 100. Your goal is to have the smallest total score possible.