Challenge 1

a) Find a set of 3 numbers such that the mean is 7 and the median is 7.
b) Find a *different* set of 3 numbers such that the mean is 7 and the median is 7.
c) Find a *different* set of 3 numbers such that the mean is 7 and the median is 7.

Challenge 2

Find a set of 3 numbers such that…

a) The mean is 6 and the median is 5.
b) The mean is 5 and the median is 7.
c) The mean is 4, the median is 2, and the mode is 2.

Challenge 3

Find a set of 3 numbers such that…

a) The mean is 2 and the range is 2.
b) The mean is 8 and a single number is the mode.
c) The mean is 6, the median is 8, and there is no mode.

Challenge 4

A set of 6 numbers includes 2, 3, 6, 7, ⬜, ⬜.

Find the two missing numbers such that…

a) The mean is 5 and the median is 5.
b) The mean is 3 and a single number is the mode.
c) The mean is 4 and the range is 6.

Challenge 5

Find a set of 4 numbers such that…

a) The mean is 5, the mode is 4, and the range is 6.
b) The median is 7 and the mean is 2.
c) The mode is 9, the median is 9, and the mean is 7.