1

If M is a sequence of consecutive integers which contains more than 11 terms, what is the average of M?

(1) In M, the number of terms that are less than 10 is equal to the number of terms greater than 21.
(2) There are 20 terms in M.

2

Jerry bought 7 clothing items, including a coat, and the sum of the prices of these items was $365. If there was no sales tax on any clothing item with a price of less than $100 and a 7 percent sales tax on all other clothing items, what was the total sales tax on the 7 items that Jerry bought?

(1) The price of the coat was $125.
(2) The average (arithmetic mean) price for the 6 items other than the coat was $40.

3

Set X consists of seven consecutive integers, and Set Y consists of nine consecutive integers. Is the median of the numbers in set X equal to the median of the numbers in set Y?

(1) The sum of the numbers in set X is equal to the sum of the numbers in set Y.
(2) The median of the numbers in set Y is 0.

4

If the average (arithmetic mean) of 4 numbers is 30, how many of the numbers are greater than 30 ?

(1) Two of the numbers are equal to 20.
(2) None of the numbers are equal to 30.

5

What is the average (arithmetic mean) height of the n people in a certain group?

(1) The average height of the n/3 tallest people in the group is 6 feet and 2.5 inches and the average height of the rest of the people in the group is 5 feet 10 inches
(2) the sum of the heights of the n people is 178 feet 9 inches