

February 9th

Four numbers are written in a row.

The mean of the first two is 2

The mean of the middle two is 5.5

The mean of the last two is 5



Find the mean of the first and last numbers.

If the 3 numbers are a, b, c and d

$$a+b = 4 \quad (1)$$

$$b+c = 11 \quad (2)$$

$$c+d = 10 \quad (3)$$

(1)-(2) gives

$$a - c = -7 \quad (4)$$

(3)+(4) give

$$a + d = 3$$

Therefore mean of the 1st and last numbers is $3/2 = \mathbf{1.5}$