Answer on Question 51604, Math, Statistics and Probability

Question:

Calculate the arithmetic mean of $3, 6, 10, 13, 14, 17, 19, 22$

a) 20

b) 15

c) 13

d) 17

Solution:

The arithmetic mean of a set of data is found by taking the sum of the data, and then dividing the sum by the total number of values in the set. A mean is commonly referred to as an average. So, let's calculate the arithmetic mean of a set of data from the condition of the question:

$$A = \frac{1}{n}\sum_{i=1}^{n} a_i = \frac{3 + 6 + 10 + 13 + 14 + 17 + 19 + 22}{8} = \frac{104}{8} = 13.$$

Answer:

c) 13