$$\sum_{k=1}^{8} a_k = \sum_{k=1}^{7} a_k + a_8 = 20$$이므로 $\sum_{k=1}^{7} a_k = 10, \; a_8 = 10$이고,

$$\sum_{k=2}^{7} a_k = \sum_{k=1}^{7} a_k - a_1 = 10 - 1 = 9$$