

10  
(295)

$$d = 2a_1 \quad \text{[1]}$$

$$\frac{S_{kn}}{S_n} = \frac{\frac{kn}{2} [2a_1 + d(k-1)]}{\frac{n}{2} [2a_1 + d(n-1)]} = \frac{k [2a_1 + 2a_1(k-1)]}{[2a_1 + 2a_1(n-1)]} = \frac{2a_1 k [1 + k - 1]}{2a_1 [1 + n - 1]} = \frac{1 \cdot k \cdot k}{n} = k^2$$