

4215

$$a_1 = 4 \quad k = 10$$

$$n = 10$$

$$S_n = \frac{a_1 (k^n - 1)}{k - 1}$$

$$= \frac{4 (3^{10} - 1)}{3 - 1}$$

$$= \frac{\cancel{4}^2 (3^{10} - 1)}{\cancel{2}}$$

$$= 118096$$