

4108

$$\begin{aligned} a) \quad a_n &= 3 \cdot 2^{12-1} \\ &= 3 \cdot 2^{11} \\ &= 6144 \end{aligned}$$

$$\begin{aligned} b) \quad a_{12} &= 5 \cdot 0,5^{12-1} &= 5 \cdot \left(\frac{1}{2}\right)^{11} &= \frac{5}{2^{11}} \\ &= 5 \cdot 0,5^{11} \\ &= 2,44 \cdot 10^{-3} \\ &= 0,00244 \end{aligned}$$