

EXAMEN 4P

$$\begin{aligned} ① \quad 1 &= 0,25 \\ 2 &= 1 \\ 3 &= 4 \\ 4 &= 16 \\ 5 &= 64 \\ 6 &= 256 \end{aligned}$$

$$RTA = 256 \text{ B}$$

$$③ \quad = \frac{2}{3} = \frac{1}{3} = \frac{1}{3} = \frac{5}{6} = \frac{4}{3}$$

$$⑤ \quad \frac{3 \cdot 1 - 1}{1} = \frac{2}{1} \quad \frac{3 \cdot 6 - 1}{6} = \frac{17}{6}$$

$$\frac{3 \cdot 2 - 1}{2} = \frac{5}{2}$$

$$\frac{3 \cdot 7 - 1}{7} = \frac{20}{7}$$

$$\frac{3 \cdot 3 - 1}{3} = \frac{8}{3}$$

$$\frac{3 \cdot 8 - 1}{8} = \frac{23}{8}$$

$$\frac{3 \cdot 4 - 1}{4} = \frac{11}{4}$$

$$\frac{3 \cdot 9 - 1}{9} = \frac{26}{9}$$

$$\frac{3 \cdot 5 - 1}{5} = \frac{14}{5}$$

$$= \frac{60911}{2520}$$

$$\textcircled{6} \sum_{n=1}^6 \frac{1}{2^n}$$

$$= \frac{1}{2 \cdot 1} = 0,5 = \frac{1}{2 \cdot 2} = 0,25 = \frac{1}{2 \cdot 3} = 0,166$$

$$= \frac{1}{2 \cdot 4} = 0,125 = \frac{1}{2 \cdot 5} = 0,1 = \frac{1}{2 \cdot 6} = 0,083$$

$$= 1,22$$

$$\textcircled{7} \sum_{n=1}^5 \left(\frac{2}{3}\right)^{n-1}$$

$$1 = 1 \quad 2 = 0,4 \quad 3 = \frac{4}{21} \quad 4 = \frac{8}{125} \quad 5 = \frac{16}{625}$$

$$= \frac{3355}{2401}$$

$$\textcircled{9} \frac{1(4^7 - 1)}{4 - 1} = \frac{16393}{3} = 5,467$$

$$\textcircled{10} \frac{3 \left(\frac{8^8}{3} - 1\right)}{\frac{8}{3} - 1} = \frac{83856397}{32805} \div \frac{5}{3}$$