

# ESERCIZI

esercizio 1 calcolare il montante F

$$F = ?$$

$$i = 12\%$$

$$A = 100 \text{ €}$$

$$n = 5$$

$$F = A \cdot \frac{(1+i)^n - 1}{i} = 635 \text{ €}$$

esercizio 2 -

$$n = 7$$

$$F = 336 \text{ €} \quad A = F i / (1+i)^n - 1$$

$$i = 6\% \quad = 40,32 \text{ €}$$

esercizio 3 - valore attuale P

$$P = ?$$

$$n = 5 \quad P = A \frac{(1+i)^n - 1}{i(1+i)^n}$$

$$A = 60 \text{ €} \quad 60 \frac{(1+0,1)^5 - 1}{0,1(1+0,1)^5} = 227,4 \text{ €}$$

esercizio 3 - FAC-SIMILE ESAME

$$n = 10$$

$$t_1 = 6$$

$$A = 7,5 \text{ k}$$

$$t_2 = 10$$

$$\therefore i = 15\%$$

$$t_3 = 15$$

\* 10 pagamenti annuali 7,5 k

\* 3 pag annuali negli anni 6, 10, 15

$$F_{10} = A \frac{(1+i)^n - 1}{i} = 152.250 \text{ €}$$

$$F_{10} = B + B(1+i)^4 + B(1+i)^{-5} = B \cdot 3,25$$

$$B = 152250 / 3,25 = 48846,15 \text{ €}$$

#### ESERCIZIO 4 - SLIDES 27