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| | Navn: | | Skole: | |
| | Klasse: 20 | | Dato: 1. februar 2022 | Fag: Matematik A |

Opgave 276

$$K = 5000$$

Formel for at finde rente efter n år

$$K_n = K \cdot (1 + r)^n$$

A)

$$r = 0.015$$

$$K_1 = 5000 \cdot (1 + 0.015)^1 = 5075$$

$$K_5 = 5000 \cdot (1 + 0.015)^5 = 5386,42$$

$$K_{10} = 5000 \cdot (1 + 0.015)^{10} = 5802,704$$

B)

$$r = 0.025$$

$$K_1 = 5000 \cdot (1 + 0.025)^1 = 5125$$

$$K_5 = 5000 \cdot (1 + 0.025)^5 = 5657,041$$

$$K_{10} = 5000 \cdot (1 + 0.025)^{10} = 6400,423$$

C)

$$r = 0.04$$

$$K_1 = 5000 \cdot (1 + 0.04)^1 = 5200$$

$$K_5 = 5000 \cdot (1 + 0.04)^5 = 6083,265$$

$$K_{10} = 5000 \cdot (1 + 0.04)^{10} = 7401,221$$