Quarter 2 - Module 2a: Simple Interest

Pre - Test

1) $I_s = Prt$

$= (10,000)(0.06)(2)$

$I_s = 1,200$

$\boxed{D}$

2) $F = P(1+rt)$

$= 10,000[1+(0.06)(2)]$

$= 10,000(1+0.12)$

$= 10,000(1.12)$

$F = 11,200$

$\boxed{D}$

3) $I_s = Prt$

$= (10,000)(0.06)(1)$

$I_s = 600$

$I_s = prt$

$= (10,000)(0.075)(2)$

$= (750)(2)$

$I_s = 1500$

$I_s = 1500 + 600 = 2,100$

$\boxed{A}$

4) $I_s = Prt$

$= (50,000)(0.12)(1)$

$I_s = 6000$

$\boxed{C}$

5) $t = \frac{I_s}{Pr}$

$t = \frac{30,000}{(50,000)(0.12)} = \frac{30,000}{6,000} = 5$

$\boxed{B}$

PRACTICE TASK 1

1) $I_s = Prt$

$= (24,000)(0.05)(2)$

$I_s = ₱2,400.00$

2) $P = \frac{I_s}{rt}$

$= \frac{7,000}{(0.035)(5)}$

$P = \frac{7,000}{0.175} = ₱40,000.00$

3) $F = P + I_s$

$= 40,000 + 7,000$

$F = ₱47,000.00$

4) $t = \frac{I_s}{Pr}$

$= \frac{33,750}{(150,000)(0.075)}$

$= \frac{33,750}{11,250}$

$t = 3$ years

5) $I_s = Prt$

$= (150,000)(0.075)(1)$

$I_s = ₱11,250.00$