Quiz 5 on Using Formulas to Solve Problems



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How much interest will \$300 earn over four years with a simple interest rate of 8 percent per year?	14) How long would it take a \$200 bank account earning 8% simple interest to earn \$40 interest?
Unknown: I	I = prt
	Unknown: t $40 = (200)(08)(t)$
Given: $I = prt$	(iven:
p = 3500 r = 8%	40 = 16t
t = 4 years $= 300(.08)(4)$	$p = \$200$ $\frac{40}{10} = \frac{16t}{10}$
= \$96	I = \$40 ¹⁶ ¹⁶
	t = 2.5 years
	물건 이 영상에 잘 많은 것이 가지 않는 것 같아요. 이 것 같아.
) Find the profit of a business with revenue of \$56,000,000 and costs of \$42,000,000.	16) Betty received a \$1.89 discount on a CD which normally sells for \$14.95. What was the sale price?
Unknown: P	Unknown: S
Given:	Given:
R = \$56,000,000	R = \$14.95
C = \$42,000,000	D = \$1.89
P = R - C	S-R-D
- 56 000 000 - 42 000 000	5 - K - D
	= 14.95 - 1.89
= \$14,000,000	= \$13.06
17) What is the unit price of 4 Cokes selling for \$1.84?	 18) It seems very hot when the Fahrenheit temperature goes over 100 degrees. Find the equivalent Celsius temperature.
Unknown: unit price	Unknown: C $C = \frac{5}{9}(F - 32)$
Given:	Given: $=\frac{5}{9}(100-32)$
T = \$1.84	$=\frac{5}{9}(68)$
Unit price = $\frac{T}{R}$	$=\frac{340}{2}$
\$1.84	9 - 37 770
$=\frac{\varphi_{1,0+1}}{4}$	= 37.77
=\$.46	