Name: Veronica Prollo

Date: Jan 10, 2020

Daily Check In

$$A = P\left(1 + \frac{r}{n}\right)^{nt}$$
$$A = P + I$$

4.5

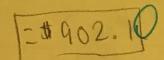


Anne has \$12 500 saved for a trip to Europe. She invested this at an annual rate of 4.65%, compounded semi-monthly, for a year and a half. How much interest did Anne make on her Europe fund at the end of the term?

1	78		
	A		
	P	12 500	
	I	14.75	
	r	0.0465	
	t	1,5	
	n	24	

A-\$13402.00/

13,402.10-12500



2 decimal places for money!

	Emerging	Developing	Proficient	Extending
How did you do? (Circle one)	60	(·)	(9)	(1)

	1		n/	
Name:	Conno	10	rham	

Date:

Daily Check In

$$A = P\left(1 + \frac{r}{n}\right)^{nt}$$
$$A = P + I$$

5/5



Anne has \$13 750 saved for a trip to Europe. She invested this at an annual rate of 5.05%, compounded biweekly, for a year and a half. How much interest did Anne make on her Europe fund at the end of the term?

-		
	A	14830.75
	P	13750 /
	$I^{\perp}$	1080.75
	r	5.051
	t	1.5 /
	n	26 /

$$A = 13750 (1 + 0.0505)^{26 \times 1.5}$$

$$A = 13750 (1 + 0.0505)^{39}$$

$$A = 13750 (1 + 0.001942)^{39}$$

$$A = 13750 (1.001942)^{39}$$

$$A = 13750 (1.0786)$$

$$A = 414830.75 - 13750$$

$$T = 14830.75 - 13750$$

How did you do? (Circle one)

Emerging Developing Proficient Extending

Circle one)

I = 1080.75

Name:

Date: \_\_\_\_\_

A payday loan is

A loan intended to be paid back by your next pay day.

They are different from all other types of loans we will talk about because:

- simple interest or compounded daily.
- Often a flat fee for the first 2 weeks.

## **Predatory Lending (John Oliver)**

1. What was the most surprising fact you heard? Why did you find it surprising?

2. How are these kinds of companies getting away with charging such high interest rates?



Quiz: Next Day!

a) What was Hayley's daily interest rate?

$$r = \frac{T}{Pt} = \frac{40.50}{325)(10)}$$
$$= 0.01246$$

Finish This Handout!

= 1.25% per day

Assignment

b) What was Hayley's annual interest rate?

1. Anne borrowed \$250.00 from a payday loan store. She paid back the loan and interest 9 days later. Her annual rate of interest was 425%. How much interest did Anne pay?

How much interest did Anne pay?
$$I = Prt$$

$$= (250)(4.25)(\frac{9}{365}) \text{ this has to be in years.}$$

2. Mike borrowed \$725.00 from a payday loan store and agreed to repay it in 15 days at a daily interest rate of 1.67%. How much in total did Mike repay the store?

$$I = Prt^{\gamma}$$

$$A = P + I$$

$$I = Prt$$

$$= (725)(0.01677(15)$$

$$= 181.61$$

$$A = P + I$$
  
= 726+ 181.61 = \$906.61

3. Luke agreed to pay \$527.50 to a payday company that gave him a loan of \$485.00 at 1.10% per day. How many days did he have the money?

$$T = 527.50 - 485$$