Math 107
Spring 2017
Lecture 12

Simple Interest:

$$I = P \cdot r \cdot t$$

Deposit \$500 Sor 2.5 years @ 61 rate
 $P = 500$ $t = 2.5$ $r = .06$
Amount of interest
 $I = P \cdot r \cdot t$
 $= 500(2.5)(.06) \Rightarrow 75

Lisa deposit Some money for 1 Year at 4% and \$800 more than that at 6% for 1 Year as well.

She earned \$108 in total interest. How much Per account?

Acts PritInterest 4% Acts χ 4% 1 .04% χ 4% 1 .04% χ 6% Act χ 4800 6% 1 .06 (χ 4800) = 108

Solve .04% + .06 (χ 4800) = 108

.04% + .06% + 48 = 108

$$1x + 48 = 108$$
 $1x = 108 - 48$
 $1x = 60$
 $x = \frac{60}{1}$
 $x = 600$
\$1400 @ 67. Acct.

John deposited Some money @ 51, for 1
Year.
He also deposited \$1000 less than twice that amount @ 8% for 1 year.
He earned a total of \$340 in simple interest in 1 kr. How much per account?

Act | P | r | t | I

51. X 51. | 1 .05%

87. 2x-1000 8% | 1 .08(2x-1000)

-05% + .08(2x-1000) = 340

$$.05x + .08(2x - 1000) = 340$$

$$.05x + .16x - 80 = 340$$

$$.21x = 340 + 80$$

$$.21x = 420$$

$$x = \frac{420}{.21}$$

$$x = 2000$$

$$x = 2000$$

$$x = 2000$$

Tanya had \$5000.

She deposited some @ 3/, and the rest @ 1/.

Simple interest for 2 ks.

She earned \$260 in

Simple interest. How much per account?

\$4000 @ 3/.

Acct | P | r | t | I | \$1000 @ 1/.

3/. x 3/. z $x \cdot 03 \cdot 2$ 1/. | 5000 - x | 1/. | z $| (5000 - x) \cdot .01 \cdot 2$.06x + .02 | (5000 - x) | = 260 $| x = \frac{160}{.04} = 4000$

Mark deposited a total of \$10,000 in two accounts, Simple interest for 6 months.

One account Paid 4% and another one 7%. APR.

He made \$282.50 in total interest.

How much per account? 6 months = .5

Year

4%. 10000-x 4%. .5 (10000-x).04.5

7%. 5 x.07.5

I am in room G5-004

From 6:15 AM to 11:30 AM. M-Th.

Drop off any work You have.

Your deadline is Thursday

June 1, 2017

To get Your final grade in Person

anly => G5-004 on Monday June 5th.

From 6:15 AM to 11:30 AM.