

Simple Interest - Day #2

1.  $I = ?$   
 $P = 6500$   
 $r = 0.018$   
 $t = 2$

$$I = Prt$$
$$I = 6500(0.018)(2)$$
$$I = \$234.00$$

2.  $I =$   
 $P =$   
 $r =$   
 $t =$

$$I = Prt$$
$$I = (6300)(0.05)(7)$$
$$I = 183.75.$$

3.

$I = 86$	$I = Prt$
$P = ?$	$86 = P(0.07)(4)$
$r = 0.07$	$\frac{86}{0.28} = \frac{P(0.28)}{0.28}$
$t = 4$	$P = \$307.14$

  

4.

$I = ?$	$I = Prt$
$P = 4200$	$I = 4200(0.039)(7)$
$r = 0.039$	$I = \$1,146.60$
$t = 7$	

  

5.

$I = ?$	$I = Prt$
$P = 10\,000$	$I = (10\,000)(0.036)(7\frac{1}{2})$
$r = 0.036$	$I = \$210.00$
$t = 7\frac{1}{2}$	

$$P = \$307.14$$

4.

$$I = ?$$

$$P = 4200$$

$$r = 0.039$$

$$t = 7$$

$$I = Prt$$

$$I = 4200 (0.039)(7)$$

$$I = \$1,146.60$$

5.

$$I = ?$$

$$P = 10,000$$

$$r = 0.036$$

$$t = 7/12$$

$$I = Prt$$

$$I = (10,000)(0.036)\left(\frac{7}{12}\right)$$

$$I = \$210.00$$

6.

$$\begin{aligned} I &= 184 \\ P &= ? \\ r &= 0.028 \\ t &= 3 \end{aligned}$$

$$\begin{aligned} I &= Prt \\ 184 &= P(0.028)(3) \\ \frac{184}{0.084} &= \frac{P(0.084)}{0.084} \\ P &= \$2190.48 \end{aligned}$$

7.

$$\begin{aligned} I &= 98 \\ P &= ? \\ r &= 0.044 \\ t &= 7 \end{aligned}$$

$$\begin{aligned} I &= Prt \\ 98 &= P(0.044)(7) \\ \frac{98}{0.308} &= \frac{P(0.308)}{0.308} \\ P &= \$318.18 \end{aligned}$$

$$\begin{aligned} 8. \quad I &= ? \\ P &= 562 \\ r &= 0.06 \\ t &= 4 \end{aligned}$$

$$\begin{aligned} I &= Prt \\ I &= (562)(0.06)(4) \\ I &= \$134.88 \end{aligned}$$

$$\begin{aligned} 9. \quad I &= ? \\ P &= 12000 \\ r &= 0.036 \\ t &= 8/12 \end{aligned}$$

$$\begin{aligned} I &= Prt \\ I &= (12000)(0.036)\left(\frac{8}{12}\right) \\ I &= \$288.00 \end{aligned}$$

10.

$$I = 94$$

$$P = ?$$

$$r = 0.032$$

$$t = 5$$

$$I = Prt$$

$$94 = P(0.032)(5)$$

$$\frac{94}{0.16} = \frac{P(0.16)}{0.16}$$

$$P = \$587.50$$

11.

$$I = 100$$

$$P = ?$$

$$r = 0.034$$

$$t = 4$$

$$I = Prt$$

$$100 = P(0.034)(4)$$

$$\frac{100}{0.136} = \frac{P(0.136)}{0.136}$$

$$P = \$735.29$$

12.

$$I = ?$$

$$I = Prt$$

12.

$$I = ?$$

$$P = 5900$$

$$r = 0.073$$

$$t = 8/12$$

$$I = Prt$$

$$I = (5900)(0.073)\left(\frac{8}{12}\right)$$

$$I = 287.13$$

13.

$$I = 110$$

$$P = ?$$

$$r = 0.027$$

$$t = 6$$

$$I = Prt$$

$$110 = P(0.027)(6)$$

$$\frac{110}{0.162} = \frac{P(0.162)}{0.162}$$

$$617.28 = P$$

$$I = \$617.28$$

14.

$$I = 72$$

$$P = ?$$

$$r = 0.03$$

$$t = 4$$

$$I = Prt$$

$$72 = P(0.03)(4)$$

$$72 = P(0.12)$$

$$t = \frac{8}{12}$$

$$13. \quad \begin{aligned} I &= 110 \\ P &= ? \\ r &= 0.027 \\ t &= 6 \end{aligned}$$

$$\begin{aligned} I &= Prt \\ 110 &= P(0.027)(6) \\ \frac{110}{0.162} &= \frac{P(0.162)}{0.162} \\ P &= \$617.28 \end{aligned}$$

$$14. \quad \begin{aligned} I &= 72 \\ P &= ? \\ r &= 0.03 \\ t &= 4 \end{aligned}$$

$$\begin{aligned} I &= Prt \\ 72 &= P(0.03)(4) \\ \frac{72}{0.12} &= \frac{P(0.12)}{0.12} \\ P &= \$600.00 \end{aligned}$$