

7th Grade
Jan 27, 2021

Today we will:

- review video notes
- do some examples
- begin HW



HOMWORK:

Pg 283 #1-4 and
#10-15

ALEKS assignment:
60 min and 5 topics
due Monday by
11:59pm

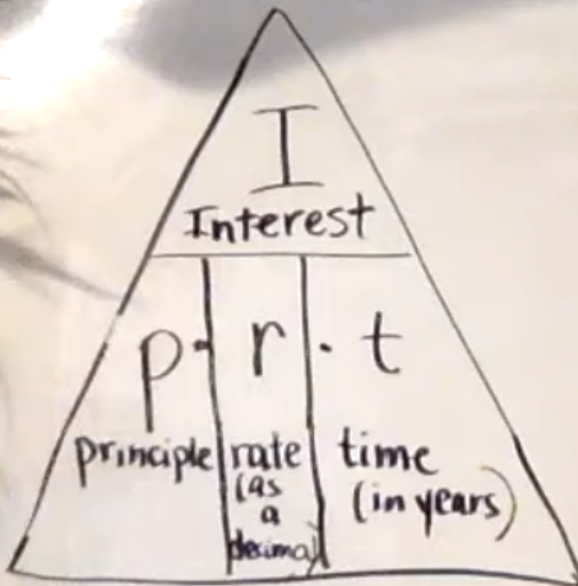


Simple Interest

Example 1

Find interest.

\$3,750 at 5.75%
for 4 years



$$I = p \cdot r \cdot t$$

Example 1

Find interest.

\$3,750 at 5.75%
for 4 years

$$\begin{aligned} I &= p \cdot r \cdot t && \underbrace{05.75} \\ &= 3,750 \cdot 0.0575 \cdot 4 \\ &= \$862.50 \end{aligned}$$

Example

$$p = 2,400$$

$$t = 5 \text{ years}$$

$$I = \$552$$

Find rate. $r = \frac{I}{p \cdot t} = \frac{552}{2,400 \cdot 5}$

$$= 0.046$$

$$= \textcircled{4.6\%}$$

Example 3

$$P = ?$$

$$I = 562$$

$$t = 6 \text{ years}$$

$$r = 5.25\% = 0.0525$$

$$P = \frac{I}{rt} = \frac{562}{0.0525 \cdot 6} = 1,784.13$$

Simple Interest Jan. 27

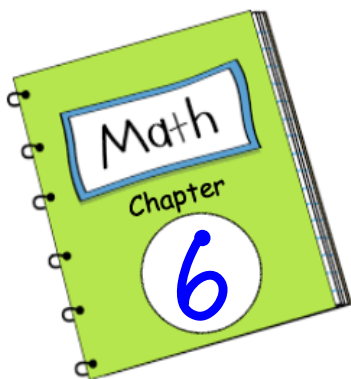
\$1,000 at 45% → 0.045
for 2 years.

$$\begin{aligned}
 I &= P \cdot r \cdot t \\
 &= 1,000 \cdot 0.045 \cdot 2 \\
 &= \$90
 \end{aligned}$$

\$2,250 at 6% → 0.06 for
48 months ← 48 months
48 ÷ 12 = 4 years

$$\begin{aligned}
 I &= P \cdot r \cdot t \\
 &= 2,250 \cdot 0.06 \cdot 4 \\
 &= \$540
 \end{aligned}$$

$$\begin{aligned}
 I &= P \cdot r \cdot t \\
 &= 2250 \cdot 0.06 \cdot 4 \\
 &= \$540
 \end{aligned}$$



TITLE: Percents



Date	Lesson	Topic/Assignment
1-4	1	Using Percent Proportion Video Notes
1-5	1	HOMEWORK: HW Prac WS
1-5	1	CLASSWORK: Pg253 WS
1-6	2	Finding Percent Mentally Video Notes
1-7	2	HOMEWORK: Skills WS
1-7	2	CLASSWORK: Extra Practice WS
1-8	2	10% Rule Video Notes
1-11	3	Using Percent Equation Video Notes
1-12	3	HOMEWORK: Magnolia Riddle WS
1-12	3	CLASSWORK: Practice WS 6 Boxes
1-14	1-3	CLASSWORK: Reteach Packet
1-19	5	Discount and Markup Video Notes
1-20	5	CLASSWORK: Pg277 WS
1-25	5	CLASSWORK: Polka Dot Task Cards
1-27	6	Simple Interest Video Notes
1-28	6	Pg283 #1-4 and #10-15



HOMEWORK



Name _____

Unit ____ Lesson _____ Due Date _____

Show your work on the lines UNDER THESE PROBLEMS. You will not get credit for doing the homework if you do not show work. LABEL each problem and go down the left margin.

Guided Practice

$$\frac{9}{12} = \frac{3}{4} = 0.75$$

Find the simple interest. Round to the nearest cent, if necessary. (Example 1)

- | | |
|-------------------------------|----------------------------------|
| 1. \$1350 at 6% for 7 years | 2. \$240 at 8% for 9 months |
| 3. \$725 at 3.25% for 5 years | 4. \$3750 at 5.75% for 42 months |

$$\begin{aligned} \textcircled{2} \quad I &= p \cdot r \cdot t \\ &= 240 \cdot 0.08 \cdot 0.75 \\ &= \end{aligned}$$

Independent Practice

Go online for Step-by-Step Solutions



Find the simple interest. Round to the nearest cent, if necessary. (Example 1)

- | | |
|--------------------------------|---------------------------------|
| 10. \$275 at 7.5% for 4 years | 11. \$620 at 6.25% for 5 years |
| 12. \$734 at 12% for 3 months | 13. \$2020 at 8% for 18 months |
| 14. \$1200 at 6% for 36 months | 15. \$4380 at 10.5% for 2 years |