

7th Grade
Feb 3, 2021

Today we will:

- review HW
- in-class assignment: #21-22
- if done early, organize binder, work in ALEKS, or work on project



HOMEWORK:

Pg283 #21-22

Unit 6 test FRIDAY

Unit 6 Project due
TUESDAY, Feb 9

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



How to find a new balance that earns compound interest:

- *starting balance for YEAR 1 is p
- *percent changed to decimal (left 2 places)
- * t is always = 1 year

YEAR 1:

- *Find I_1 by multiplying $p*r*t$
- *Add I_1 to starting p

YEAR 2:

- *Starting balance for YEAR 2 is new amount $(I_1 + p)$
- *Multiply to find I_2
- *Add I_2 to YEAR 2 starting balance $(I_1 + p)$

*Keep repeating until you have completed the required number of years

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. Use the back if necessary.

Find the total amount in each account to the nearest cent if the interest is compounded annually. (Example 3)

19. \$595 at 4.75% for 3 years

20. \$840 at 7% for 4 years

↓
0.0475↓
0.07

Calculators OK

$$\textcircled{19} I_1 = prt$$

$$= 595 \cdot 0.0475 \cdot 1$$

$$= 28.26$$

New balance =

$$\underline{595} + 28.26 = \$623.26$$

$$I_2 = \underline{623.26} \cdot 0.0475 \cdot 1$$

$$= 29.60$$

$$\text{New balance} = \underline{623.26} + 29.60$$

$$= \underline{652.86}$$

$$I_3 = \underline{652.86} \cdot 0.0475 \cdot 1$$

$$= 31.01$$

$$\text{New balance} = \underline{652.86} + 31.01$$

$$= \underline{\$683.87}$$

$$\textcircled{20} I_1 = 840 \cdot 0.07 \cdot 1$$

$$= 58.80$$

$$\text{New balance} = 898.80$$

$$I_2 = 898.80 \cdot 0.07 \cdot 1$$

$$= 62.92$$

$$\text{New balance} = 898.80 + 62.92$$

$$= 961.72$$

$$I_3 = 961.72 \cdot 0.07 \cdot 1$$

$$= 67.32$$

$$\text{New balance} = 961.72 + 67.32$$

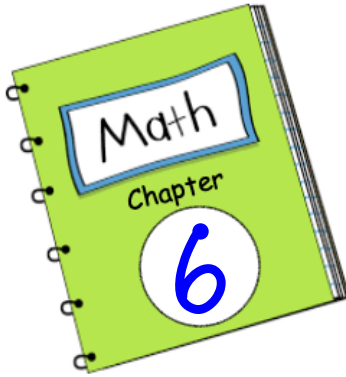
$$= 1029.04$$

$$I_4 = 1029.04 \cdot 0.07 \cdot 1$$

$$= 72.03$$

$$\text{New balance} = 1029.04 + 72.03$$

$$= \underline{\$1101.07}$$



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	HOMEWORK: Pg283 #1-4 and #10-15
1-29	6	HOMEWORK: HW Practice WS
2-1	6	CLASSWORK: Simple Interest Task Cards
2-2	6	Compound Interest Video Notes
2-3	6	HOMEWORK: Pg283 #19-20
2-3	6	CLASSWORK: Pg283 #21-22
2-4	ALL	HOMEWORK: Study Guide



CLASSWORK

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. Use the back if necessary.

Find the total amount in each account to the nearest cent if the interest is compounded annually. (Example 3)

21. \$12,000 at 6.95% for 4 years

22. \$8750 at 12.25% for 2 years

\downarrow \downarrow
 0.0695 *Calculators OK* 0.1225

$I_1 =$. .1

New balance = $12,000 +$ _____

$I_2 =$. .1

New balance = +

$I_3 =$. .1

New balance = +

$I_4 =$. .1

New balance = +

$I_1 = prt$. .1

New balance = + =

$I_2 =$.

New balance = +

