7th PAP Grade Math **Week of** *Apr 20-24, 2020*

Teacher: Ms. Diana Davis
Additional Teacher Support:
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Please access your lessons in our TEAMS folder on your computer.

Previous Lessons: Simple Interest

2nd Period Remind Codes:

Text @ 8eab9eh to 81010 OR

Email: 8eab9eh@ mail.remind.com

Class meeting days are every Wednesday in TEAMS
Time: 1:00 p.m.

Office Hours
Monday 3:00 -4:00 p.m.
Tuesdays and Thursdays 1:00 - 3:00 p.m.
Wednesday 9:30-11:00 a.m. and 3:00 - 3:30 p.m.
Friday: 9 a.m. – 12 noon

- **Objectives/ I Can: I can calculate Account balance and interest given the compound interest formula $A=p(1+r)^t$**

** To find the interest with this formula: A (the ending balance) - P (the principal) =I (the interest) **

Please remember that we are now on a 4 day work week. It is our desire that you are able to complete your work by Thursday of each week. If you need any further clarification about your assignments after Thursday, you may use email, post, request a face to face meeting in TEAMS or use remind 101 by noon on Fridays of each week. Although you have until the following Monday to turn in your work, it is my desire for you to enjoy your weekend- worry free and schoolwork free.

Activities: Compound Interest

You WILL need a calculator for this week's lesson. I suggest downloading the TI-84 emulator on your computer from the download document in your files folder in TEAMS or using the calculate84 app on your phone.

Lesson 1 – Compound Interest
- Video Lesson - If you have access to a printer, you can print page 3 of this document. If not, you can follow along on a piece of notebook paper.

  Homework *(FOR GRADE)*   https://quizizz.com/join/
  Game Code is 895813

Make sure that you are using your first and last name. Nick names, initials, and pictures will NOT be counted. If you are not pleased with your grade, you may try one more time. *Your grade will be the average of your first two attempts. If you make a 100, you do not have to do it again.*

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Lesson 2 – Compound Interest (continued)
- Video Lesson

- Forms Homework *Forms Homework Graded Assignment- Compound Interest*
  You will only have one attempt to complete this form so take your time!

Need more help this week? Try these resources:
- Extra Video Lesson
- GetMoreMath Practice Set

To Be Graded: Students should begin work on Monday, April 20, 2020 and should be completed no later than Monday, April 27, 2020 at 8 a.m.
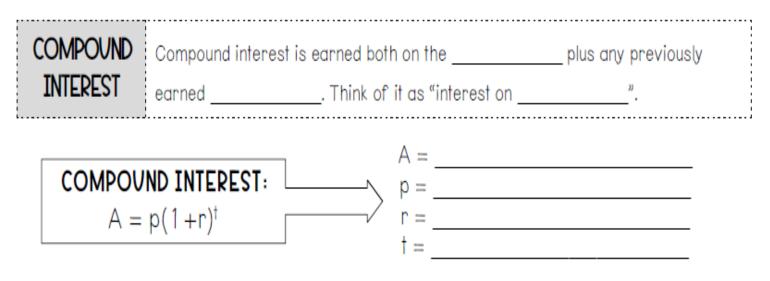
Assignments for students to submit:

Lesson 1 - The students will complete and submit their **Quizizz**. You may take it more than once and the average of the first two attempts will be recorded.

Lesson 2 - The students will complete the **Microsoft Form**.   All questions on the form are required to be answered before submission. Incomplete submissions will not be accepted.

All assignments are to be submitted electronically, except by individual arrangement.

COMPOUND INTEREST

Compound interest is earned both on the _____ plus any previously earned _____. Think of it as "interest on _____".

COMPOUND INTEREST:
$$A = p(1 + r)^t$$

A = _____
p = _____
r = _____
t = _____

Unlike the simple interest formula, notice that the compound interest formula gives you the _____ _____ of the account. Explain how you can use this to find the interest earned:

Use the compound interest formula to calculate both the amount of interest earned as well as the total value of the account in 6-9.

6. A $2,400 deposit for 8 years compounded at an annual interest rate of 4.5%. Interest: _____ Total Value: _____	7. A $15,000 deposit for 6 months compounded at an annual interest rate of 7%. Interest: _____ Total Value: _____
8. A $950 deposit for 18 years compounded at an annual interest rate of 2.21%. Interest: _____ Total Value: _____	9. A $3,000 deposit for 66 months compounded at an annual interest rate of 1.6%. Interest: _____ Total Value: _____