

8th Grade AMI Days 21-25 (April 20-24)

Day #21 - Science -

On another piece of paper, please write me a paragraph (5-7 sentences) describing how COVID19 has affected both you and your family's lives. Also, hypothesize what you think the world will be like after this is all over? Will we be more careful and prepared as a human race or will things just go back to normal? Give examples and reasons.

Day #22 - Solving Equations

Complete all work with answers on a separate sheet of paper.

Solve each equation for the variable.

1. $-6(1 - 5v) = 54$
2. $8 = 8v - 4(v + 8)$
3. $-2 = -(n - 8)$
4. $8(4k - 4) = -5k - 32$
5. $-11 - 5a = 6(5a + 4)$

Day #23 - Research a Historical event

Complete assignment on a separate sheet of paper.

1. Watch or read about a historical event that occurred BEFORE 1900.
2. Write a response to it.
3. Your response should have:
 - a. the name of the event
 - b. where you got the information
 - c. 4-5 sentences describing the event
 - d. 4-5 sentences tell me what you think about the event.

Day #24 - Read your current book or an article

Complete on a separate sheet of paper.

1. Read for 20 minutes.
2. Find and record one compound-sentence and one compound-complex sentence in the text.

Day #25 - Math Open Response

Complete on a separate sheet of paper. Show all work.

Chad has a total of 5 people in his family.

- Sally is Chad's twin sister.
- Chad's sister Hailey is 4 years older than Chad.
- Chad's mother was 24 when Chad was born.
- Chad's father is 3 years older than his mother.

1. Write an expression for each family member's age as a function of Chad's age (x). Clearly label each expression. Show or explain all of your work even if you use mental math or a calculator.
2. The average age of the 5 family members is 22. Determine the age of Chad's sister Hailey. Show or explain all of your work even if you use mental math or a calculator.

YOU MAY SUBMIT ALL WORK ELECTRONICALLY BY SCANNING OR TAKING A PICTURE AND EMAILING IT TO TEACHERS.

Day #26 - Science -

Two men were having an arm wrestling match. Contestant #1 weighed 82.9 kg while the other weighed 90.2 kg. The lighter man knew he could exert a force of 505 N while the heavier of the 2 men knew he could move an arm during a competition at 5.98 m/s squared. The day of the match contestant two had the stomach flu and had lost 1.18 kg. He still wanted to participate and did at his new weight. The winner of the contest was whomever could exert the most force on the other. Fill in the following blanks, use the correct units, and round to the nearest hundredth if needed.

Mass of Contestant #1: _____

Force of Contestant #1: _____

Acceleration of Contestant #1: _____

Mass of Contestant #2: _____

Force of Contestant #2: _____

Acceleration of Contestant #2: _____

Who won the arm wrestling match and by how many Newtons? _____

Day #27 - Slope

Complete all work with answers on a separate sheet of paper.

Find the slope of the line that goes through the following points. (Hint: Use Slope Formula)

1. (-20, -4), (-12, -10)
2. (-19, -6), (15, 16)
3. (12, -18), (11, 12)
4. (-1, -4), (0, -1)
5. (0, -3), (2, 0)

Day #28 - Current Event other than COVID-19

Complete assignment on a separate sheet of paper.

1. Watch or read about a current event (something that is going on in the world today).
2. Write a response to it.
3. Your response should have:
 - a. the name of the event
 - b. where you got the information
 - c. 4-5 sentences describing the event
 - d. 4-5 sentences tell me what you think about the event.

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Day #29 - Reading Response to current book you are reading

Complete on a separate sheet of paper.

1. Read for 20 minutes.
2. Write a reading response to what you have read.

Day #30 - Writing Prompt

Complete on a separate sheet of paper.

Write a ½ page essay answering the following questions.

1. How are you feeling right now? Do you have any worries or concerns?
2. What are you looking forward to next school year? (You will be starting high school!)

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