

# STEM MS Math Review (Fall 2020)

Text: no text—worksheet packets provided each week

Materials Needed: pencils (no pens or markers)

white loose leaf notebook paper

1" (or larger) 3-ring binder with four dividers:

Current Assignment, Completed Assignments, Notes, Timed Skills Tests

Purpose: to review fundamental math and computation skills, to sharpen mathematical concepts, to review and learn math spelling and vocabulary, to increase speed and accuracy in problem-solving

Grading: 20% homework/class work scores, 20% projects, 20% participation, 20% notebook organization, 20% homework/classwork completion

Please review the following expectations:

1. Show your work in an organized fashion. **Calculators are not permitted in class or at home, so work must be shown** to receive credit in most instances.
2. Be neat. Use plenty of vertical space for each problem.
3. Pay attention in class and take notes during the lecture portion of the class.
4. Arrive on time for class. Information will not be repeated for latecomers.
5. Practice your multiplication tables to increase speed and accuracy of your work (regardless of your current skill level). This is extremely important to prepare for future math courses.
6. Complete the homework assignments on time. Missing or incomplete assignments will be recorded as a 0%. Late assignments will be recorded as a 50%.
7. Homework turned in on time will be graded as a 1-70%, 2-80%, 3-90%, or 4-100% based on the number of errors. (A 4, or 100%, does NOT mean the assignment is error-free.)
8. If you are struggling with something, ask me for help, make an appointment with me, seek out tutorials online, practice the troubling concept, etc. Act promptly.

This class is intended to prepare the student for high school level math courses such as algebra and geometry. The course reviews middle school math concepts; young middle schoolers may be challenged. The class is taught so that the parent may assess the student's proficiency of each weekly concept and seek further instruction or require practice for troubling concepts. Time will be spent practicing skills, reviewing previously-learned material, and learning tricks and shortcuts to aid students in their understanding of math concepts. Math is fun, but like anything else, requires practice and effort to be accomplished in the subject. Math has its own language and vocabulary, and the student will learn to speak the language fluently. Theory is a large part of understanding math concepts successfully.

**Hayley Saffer**

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## **Assignment due on the first day of class, Thursday, August 27, 2020:**

- Prepare binder and materials as stated above.
- List the “numbers” activities in which you participated over the summer months. You will need to list a minimum of ten activities (e.g. using fractions while baking, counting to 20 before a game of hide-and-seek, adding scores during a game of Rummy 500).
- List five math strengths and five math weaknesses that you know about yourself (e.g. division with decimals, “nines” multiplication facts, making equivalent fractions). Be specific!
- Bring the signed syllabus to class.

Student signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent signature: \_\_\_\_\_ Date: \_\_\_\_\_