



# 7<sup>th</sup> Grade Mathematics

Ms. Muusse

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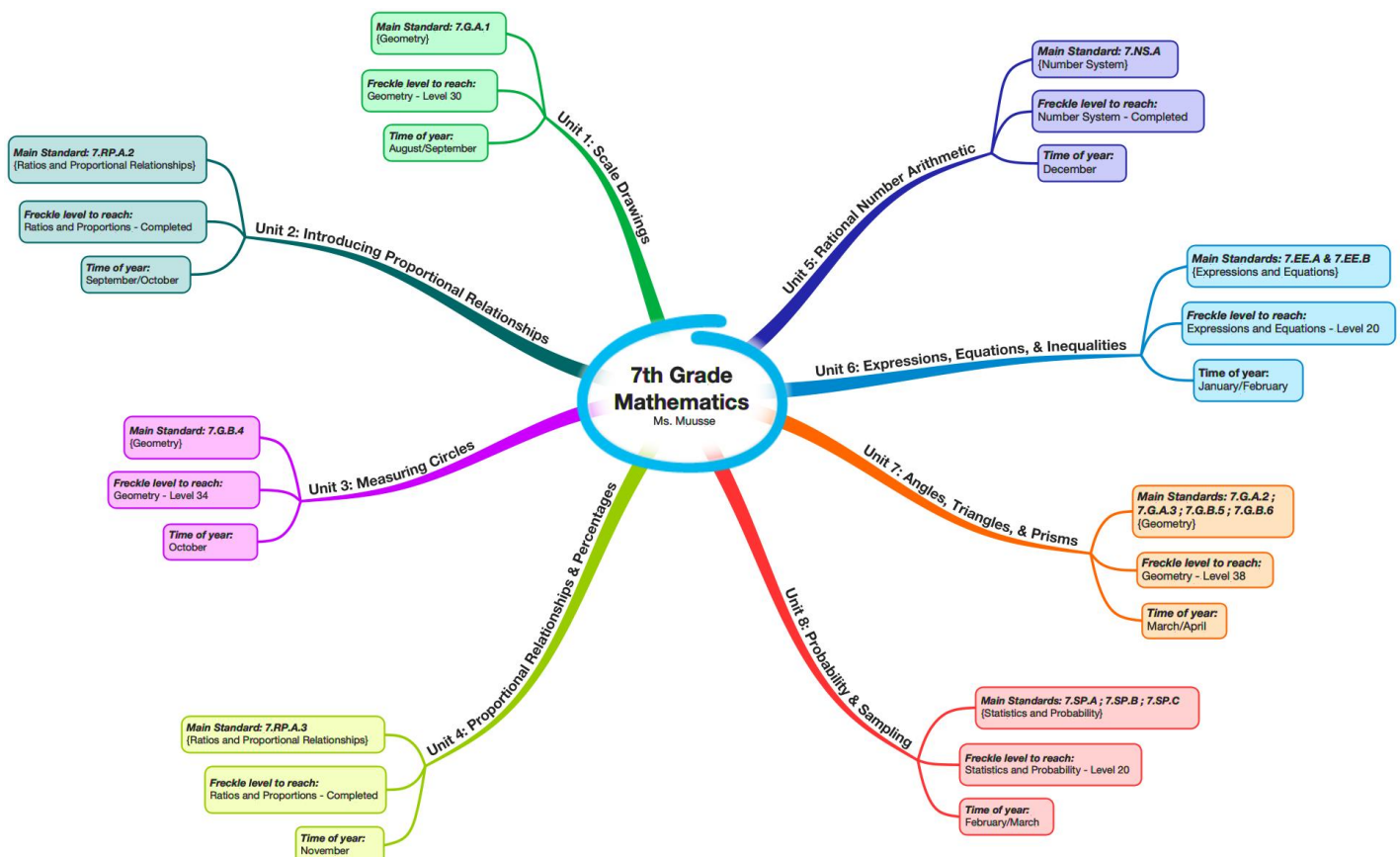
Website: <https://www.msamuusse.weebly.com>

Remind: Muusse-Math @msamuusse

Welcome back, scholars!

*I am so happy to be with you again this year. As you know from our sixth-grade year together, there is a lot more to mathematics than equations and formulas. Last year, you discovered that mathematics requires curiosity, creativity, compassion, and courage to be successful. This year, of course, will be no different! Together, we will deepen our exploration into the beautiful, strange, and amazing world of mathematics – the heights you reach will be up to you. As we embark on this journey, remember that I am here as your guide and coach, not the knower of all things. Over the course of this year together, you will continue to strengthen your capacity to apply yourself and your learning, and I will be here to support you as you do. Remember to be open to new ways of thinking, get curious about how numbers work, be invested in your own and others' learning, and self-assess along the way. Starting with this mind map, the rest of the details in this packet will help you and your family get reacquainted with our classroom.*

<3 Ms. Muusse





# Login Details

User ID \_\_\_\_\_

Password \_\_\_\_\_

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## MATHEMATICS PRACTICE



Username \_\_\_\_\_

Password \_\_\_\_\_



Class Code \_\_\_\_\_

Password \_\_\_\_\_

## Grading Policy: *Math Core*

Assignment	Points	Frequency
Homework	5	weekly
Cool-down	5	bi-weekly
Work Ethic Contribution Investment in Learning	10	bi-weekly
Unit Assessment	will vary	at the end of each unit
Khan Academy Mastery	20	quarterly

## Grading Policy: *Math Acceleration*

Assignment	Points	Frequency
Design Your Thinking	10	bi-weekly
Work Ethic Contribution Investment in Learning	10	bi-weekly

## *Notes*

- Homework minutes may be completed over the weekend *on occasion*, as long as I receive advance notice.
- All other assignments will be accepted late (for one week only) and are eligible to receive up to half credit.
  - Late credit is better than no credit!
- PowerSchool is always updated **weekly!** Please check your child's grades regularly to stay current.
  - I also often add personal messages and tags to help families stay informed.

# Mission: Homework

- Complete 100 minutes of focused mathematics practice outside of class time each week. **(DUE FRIDAY MORNING)**
  - You may choose from the following four options on this page.
  - Record your individual journey, using our classroom tracking sheet, or any other method that works for you.
  - The number of minutes you complete determines your homework grade.
    - [Check out the table on our website to find out more!](#)
- 

## ***Option 1: Freckle Education {differentiated practice}***

Explore your [individual adaptive math journey on Freckle Education](#). Your first priority is to work within the content standard of our current classroom unit of study. As you answer each question, the skills you practice will automatically align with your unique ability level, which will be constantly changing.

- [If you reach a particular Freckle Level, you will earn 10% extra credit on the corresponding unit assessment.](#)
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## ***Option 2: Illustrative Mathematics {family practice}***

\* Please see example template attached.

Apply what you are learning in the classroom by engaging with the [family extension materials from Illustrative Mathematics](#). Based on our current classroom unit of study, select an appropriate task to investigate with one or more family members. Together, consider each part of the task and document your discussion.

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## ***Option 3: Khan Academy {mastery practice}***

Navigate your own personalized learning program with Khan Academy as you watch instructional videos and test your understanding through short quizzes designed to help you show what you know. At any time, you may return to your dashboard and review lessons at your own pace until you have mastered each new skill.

- [You will also receive a Khan Academy grade each quarter of the school year, according to the grading table found on our website.](#)
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## ***Option 4: Mathematics Reflections {mindset practice}***

\* Please see prompts attached.

Take some time to thoughtfully consider your learning, [using our "Mathematics Reflections" questions and prompts to guide you](#). As you become increasingly comfortable analyzing and writing about your personal practice of mathematics, please respond to a variety of questions & prompts, instead of choosing the same ones each time.

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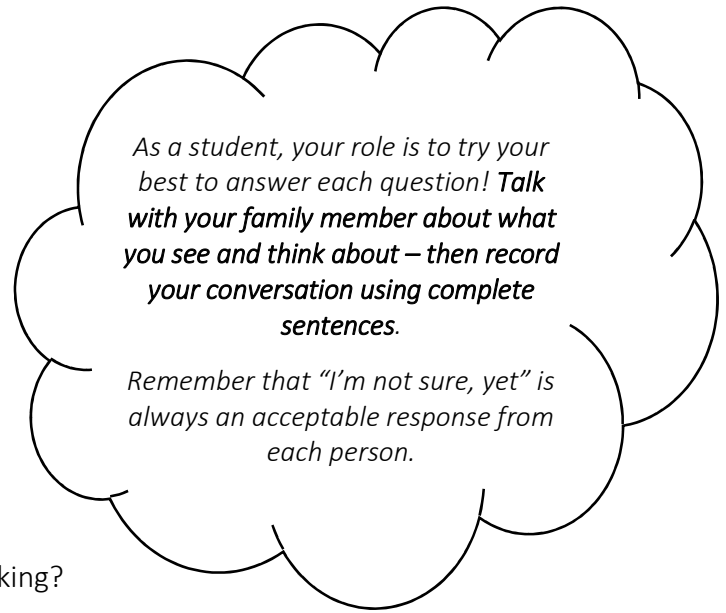
# Illustrative Mathematics

## Family Materials

<https://im.openupresources.org/7/families/>

Questions you might ask your family member –

- ◆ Have you ever seen a problem like this before?
- ◆ Where do you think is a good place to start?
- ◆ Do you have any suggestions about how we could visualize what's happening in this problem?
- ◆ Are there any patterns we can find?
- ◆ Will you help me figure out what the problem is asking?
- ◆ Can you think of a time when this type of problem would come up in real life?
- ◆ Does our answer seem reasonable and make sense? How can we be sure?
- ◆ What questions can we ask my teacher to help us better understand how to solve this type of problem?



Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

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**GRADE** \_\_\_\_\_ **UNIT** \_\_\_\_\_ **ACTIVITY** \_\_\_\_\_

**QUESTION:** \_\_\_\_\_

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DISCUSSION and SOLUTION:

**QUESTION:** \_\_\_\_\_

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DISCUSSION and SOLUTION:

**QUESTION:** \_\_\_\_\_

\_\_\_\_\_  
DISCUSSION and SOLUTION:

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**GRADE** \_\_\_\_\_ **UNIT** \_\_\_\_\_ **ACTIVITY** \_\_\_\_\_

**QUESTION:** \_\_\_\_\_

\_\_\_\_\_  
DISCUSSION and SOLUTION:

**QUESTION:** \_\_\_\_\_

\_\_\_\_\_  
DISCUSSION and SOLUTION:

**QUESTION:** \_\_\_\_\_

\_\_\_\_\_  
DISCUSSION and SOLUTION:

# MATHEMATICS REFLECTIONS

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As you write your responses to the following questions and prompts, please always use complete sentences and explain your reasoning. Provide examples and clear details whenever possible. *(Hint: it's always possible!)*

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1. *What were the main mathematical concepts or ideas that you learned today or that we discussed in class today?*

2. *What questions do you still have about the mathematical concepts from class today? If you don't have a question, create your own math problem using what you learned -- and then solve it.*

3. *Describe an interesting mistake or misconception that you or a classmate had in class today. What did you learn from this mistake or misconception?*



4. *How did you or your team approach today's problem(s) or task(s)? How successful was your approach? Describe the journey you took to arrive at your final solution.*

5. *Describe in detail how someone else in class approached a problem. How is their approach similar or different to the way you approached the problem?*

6. *What new vocabulary words or phrases were introduced today? What do you believe each new word or phrase means? Give an example/picture of each word.*

7. *What was the big mathematical conversation about in class today? As you reflect on your new learning, either 1.) explain at least two concepts you now understand better, or 2.) explain at least two concepts you are still feeling confused about.*

8. Which mathematical representation(s) (algebraic, geometric, numeric, etc.) did you use to show your thinking today? Explain in detail why you made this choice.
9. Reflect on the math concepts you have been learning lately and plan a mini-lesson you would use to teach a sixth grader. (Remember to use lots of clear details.)
10. Consider the project or task you are currently working on. Have you been managing your time wisely? What have you figured out so far? What still needs to be examined and analyzed before you reach your final conclusion and submit your solution?
11. What were some of your strengths and difficulties during this classroom module? Are you surprised by any of your strengths? What is your plan to improve in your areas of difficulty?
12. If you had an opportunity to revise and resubmit any work from this module, what would you choose and why? What have you learned since your original submission that would make you want to revise your work?
13. Did you compare your work with another classmate today? Did you find this helpful? What happened during your discussion? Was there an opportunity for you to learn or teach something new?
14. Compose a song, poem, rap, or short story that will help you and your classmates better understand any math concepts you have been learning recently.
15. Which of the 8 mathematical practices did you or your team focus on today? Explain why you think so and how you worked through your task(s).
16. Did you surprise yourself with your thinking today or this week? When? How so?
17. When have you recently noticed classroom mathematics appear in your daily life outside of school? Does this surprise you or make a lot of sense to you?
18. Consider a concept you have struggled to understand in the past, **that now you totally do understand!** How did you connect the dots to make sense of your learning?



# Acknowledgment

**Students**, please acknowledge that you have read the *Welcome Packet* for Ms. Muusse's Grade 7 Mathematics classroom by printing and signing your name below.

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Student Name (Print)

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*Student Signature*

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Date

**Parents/Guardians**, please acknowledge that you have read and reviewed the *Welcome Packet* with your child by printing and signing below.

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Parent/Guardian Name (Print)

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Parent/Guardian Email

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*Parent/Guardian Signature*

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Date

If you have any questions or concerns, please feel free to contact me at school. I can be reached at (413) 750 -2333, or by email at [muussen@springfieldpublicschools.com](mailto:muussen@springfieldpublicschools.com).

**Please remove this page from the Welcome Packet, and have your child return it to me by the end of the first week of school (Friday, August 30, 2019).**