

Big Ideas:**Upcoming Dates:**

- End of year review
- Project Presentation

- 5/16: Teacher Workday
- 5/25: Reading EOG
- 5/23: 7th graders present to 8th graders the science review topic
- 5/28: Memorial Day-No School
- 5/29: Math EOG

Shelfwork:

- Monday 5/7:
 - Checklist and Notes Overview
 - Science Presentation Overview
 - Leadership Seminar
- Tuesday 5/8:
 - Surface Area and Volume Lessons (___✓, M, 0)
 - At least two Thank You Cards (___✓, M, 0)
 - Finding Surface Area of Rectangular Prisms OR On the surface Versatile(___✓, M, 0)
 - Wrapping Up Surface Area (___✓, M, 0)
 - Volumes of Irregular Figures (___✓, M, 0)
- Wednesday 5/9:
 - Math EOG Pre-Test (___✓, M, 0)
 - Math EOG Pre-Test Data Analysis and EOG Work Plan (___✓, M, 0)
- Thursday 5/10:
 - Number Systems Mini Lessons (___✓, M, 0)
 - Number Systems Card Review (___✓, M, 0)
 - Number System Section 7th Math Review Binder OR Versatiles (___%)
- Friday 5/11:
 - Expressions and Equations Mini Lessons (___✓, M, 0)
 - Expressions and Equations Card Review (___✓, M, 0)
 - Expressions & Equations Section 7th Math Review Binder OR Versatiles (___%)
- Monday 5/14:
 - Ratios and Proportions Mini Lessons (___✓, M, 0)
 - Ratios and Proportions Card Review (___✓, M, 0)
 - Ratios and Proportions Section 7th Math Review Binder OR Versatiles (___%)
- Tuesday 5/15:
 - Statistics and Probability Mini Lessons (___✓, M, 0)
 - Statistics and Probability Card Review (___✓, M, 0)
 - Statistics and Probability Section 7th Math Review Binder OR Versatiles (___%)
- Wednesday 5/16: **Optional**
 - ~~Geometry Mini Lessons (___✓, M, 0)~~
 - ~~Geometry Card Review (___✓, M, 0)~~
 - ~~Geometry Section 7th Math Review Binder OR Versatiles (___%)~~
- Thursday 5/17:
 - Open Mini Lesson Requests (___✓, M, 0)
 - Choice Versatiles OR Binder Work on any topic (___%)
 - End of Year Science Presentation
- Friday 5/18:
 - Open Mini Lesson Requests (___✓, M, 0)
 - Choice Versatiles OR binder work on any topic (___%)
 - End of Year Science Presentation
- Monday 5/21
 - Open Mini Lesson Requests (___✓, M, 0)
 - End of Year Science Presentation
- Tuesday 5/22
 - Open Mini Lesson Requests (___✓, M, 0)
 - End of Year Science Presentation
- Wednesday 5/23 Present to the 8th Grade
- Thursday 5/24: Open lesson requests

Work Plan:

Week 5	Week 6	Week 7
Monday: I am working on...	Monday: I am working on...	Monday: I am working on...
Tuesday: I am working on...	Tuesday: I am working on...	Tuesday: I am working on...
Wednesday: I am working on...	Wednesday: No School	Wednesday: I am working on...
Thursday: I am working on...	Thursday: I am working on...	Thursday: I am working on...
Friday: I am working on...	Friday: I am working on...	Friday: Reading EOG

Math Homework: (All assignments are to be done individually and are due the next day):

- Monday 5/7: Choice Cross Sections OR Volume Of Rectangular Prisms OR Surface Area Of Rectangular Prisms OR Surface Area Of Triangular Prisms OR Surface Area Of Right Square Pyramids **Use template, record on your own paper.**
- Tuesday 5/8: Finish EOG Data Analysis and Work Plan
- Wednesday 5/9: Choice Number System or Rational Numbers Review Video, OR DE Summary, OR 20 mins Edgenuity. **Use notes template, record on your own paper.**
- Thursday 5/10: Algebraic reasoning Review Video, OR DE Summary, OR 20 mins Edgenuity. **Use notes template, record on your own paper.**
- Monday 5/14: Ratios and Proportions Review Video, OR DE Summary, OR 20 mins Edgenuity. **Use notes template, record on your own paper.**
- Tuesday 5/15: Statistics and Probability Review Video, OR DE Summary, OR 20 mins Edgenuity. **Use notes template, record on your own paper.**
- Wednesday 5/16: **Yes, you still have homework tonight.** Geometry Review Video, OR DE Summary, OR 20 mins Edgenuity. **Use notes template, record on your own paper.**
- Thursday 5/17: Finish Checklist and Science Presentations
- Monday 5/21: Finish any missing work
- Tuesday 5/22: Polish up presentation for 8th graders

Lesson Requests:

- _____
- _____

Note Taking Template

You will have a choice of locations for your homework videos:

1. Weebly or Edpuzzle video
2. Discovery Education for a unit summary. You can read it from the purple book or scan the QR code to review the section on your Chromebook.
3. Edgenuity will use the VT-NC-EOG-Math 7 Free Movement-No Pretest Course. Select the Course Map from the bottom of the window, then chose the topic from the column on the left to review.

Note taking is a skill that helps you better organize information so that it makes sense and is easy to go back to when studying. Please organize your notes like the sample listed below. First, header your paper with a name, date, and homework summary title. Draw the boxes on your paper, fill them in with information from the video/summary page as described below, and be prepared to use the back of your notes during lesson check-in to jot down examples.

Name: _____

Date: _____

Video/Summary/Crash Course Title(s): _____

Vocabulary Terms from the Lesson

- Write the name of the term
- Define the term
- Be on the lookout for use of the term within the lesson so you can see how it's applied!

Formulas/Math Rules to Remember from this Lesson

- Write out the Formula
- Write out the Rule
- Be on the lookout for use of the formula or rule within the lesson so you can see how it's applied!

At least 2 Step-by-Step Examples from the Lesson

- Write the problem out
- Show all work for how you solved the problem, even simple steps you can do in your head.
- Take up a lot of space to make it easy to read
- Circle all solutions

Questions to ask during Lesson Check-In

- Jot down all questions you want to ask during check-in
- This is also a great place to share strategies with other classmates

Mr. Doug

5/5/18

Multiplying and dividing fractions

Vocabulary - Multiplicative Inverse or Reciprocal

The number you can multiply another number by to equal one.

Ex. 1 the inverse of 8 is $\frac{1}{8}$

$$8 \times \frac{1}{8} = 1$$

Ex. 2 the inverse of 7 is $\frac{1}{7}$

$$-7 \times -\frac{1}{7} = 1$$

Formulas - To divide a number by another number you can multiply the second number by the inverse of the first number

Ex. 1 $7 \div 8 = 7 \times \frac{1}{8}$ $A \div B = A \times \frac{1}{B}$

Ex. 2 $8 \div 2 = 8 \times \frac{1}{2}$

Ex. 3 $\frac{1}{8} \div \frac{2}{3} = \frac{1}{8} \times \frac{3}{2}$

Example - Ex. 1

$$8 \div 2 = 8 \times \frac{1}{2} = \frac{8}{1} \times \frac{1}{2} = \frac{8}{2} = \textcircled{4}$$

1.
126.
- 4
32

Ex. 2
 $\frac{1}{8} \div \frac{2}{3} = \frac{1}{8} \times \frac{3}{2} = \textcircled{\frac{3}{16}}$

Ex. 3
 $\frac{2}{5} \div \frac{9}{16} = \frac{2}{5} \times \frac{16}{9} = \textcircled{\frac{32}{45}}$ we reduced

Questions

- How do we divide improper fractions?
- How do I turn whole numbers into fractions?

Group Name: _____

Group Members:

1. _____
2. _____
3. _____
4. _____

Science Presentation

<p><u>Cycle 1:</u></p> <ul style="list-style-type: none">➤ Chemistry<ul style="list-style-type: none"><input type="checkbox"/> Atomic Structure<input type="checkbox"/> Periodic Table<input type="checkbox"/> Elements, Compounds and Mixtures<input type="checkbox"/> Physical and Chemical Changes<input type="checkbox"/> Law of Conservation of Matter <p><u>Cycle 2:</u></p> <ul style="list-style-type: none">➤ Hydrology<ul style="list-style-type: none"><input type="checkbox"/> Distribution of Water, Estuaries and Upwelling<input type="checkbox"/> Ocean Zones<input type="checkbox"/> Marine Resources<input type="checkbox"/> Water Quality and Human Health	<p><u>Cycle 3:</u></p> <ul style="list-style-type: none">➤ Earth History<ul style="list-style-type: none"><input type="checkbox"/> Rock Cycle<input type="checkbox"/> Plate Tectonics<input type="checkbox"/> Relative and Absolute Dating<input type="checkbox"/> Fossils<input type="checkbox"/> Evolution and Genetic Variation➤ Microbiology<ul style="list-style-type: none"><input type="checkbox"/> Microbes<input type="checkbox"/> Diseases<input type="checkbox"/> Biotechnology<input type="checkbox"/> Exercise and Nutrition <p><u>Cycle 4:</u></p> <ul style="list-style-type: none">➤ Ecology<ul style="list-style-type: none"><input type="checkbox"/> Population Factors<input type="checkbox"/> Renewable and Nonrenewable Energy Resources<input type="checkbox"/> Symbiotic Relationships<input type="checkbox"/> Food Chains and Webs<input type="checkbox"/> Ecological Pyramids<input type="checkbox"/> Biogeochemical Cycles
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Science Presentation Criteria

- Presentation covers all topics in my category
- Presentation has at least one unique shelf work (card sort, crossword, Coloring activity, Maze, Kahoot!, etc.) that follows the with product card rubric and has a detailed control.
- Presentation has at least one visual aid (group created Powerpoint, Tri-fold, custom model, etc.)
- Presentation was performed

Name: _____

Presentation Rubric

Ratings	1-2 Working on it!	3-4 Novice	5-6 Acceptable	7-8 Out of the Box!
Content	Did not stay on topic	Stayed on topic for most of the presentation	Stayed on topic and demonstrated some elaboration	Stayed on topic with extensive elaboration and application
Cite an example for support				
Oral Expression	Had trouble expressing most ideas	Had trouble expressing some ideas	Easy to understand	Very well articulated
Cite an example for support				
Organization	Not organized	Somewhat organized	Very organized	Organization far exceeds the standards
Cite an example for support				
Eye Contact	Did not look up	Looked up once	Looked up a few times	Used notes as a reference and talked to the audience.
Cite an example for support				
Group Participation	Only one person presented	A couple people came to the front but most talking was done by one person.	Everyone came forward but only a few people spoke	Every group member came forward and everybody had a job in the presentation
Cite an example for support				

Student Reflection:

Student Points _____/32

1. Explain where you felt strongest:

2. Explain where you could work to improve:

Teacher Reflection:

1. Compliments:

2. Suggestions:

Teacher Points _____/32



Name: _____

Community: _____

7th Math Released EOG Data Analysis

Directions:

Step 1: Put an x in the box next to any question you got incorrect.

Step 2: Count all of the boxes for each section that DO NOT have an x. This represents the number of questions you got correct-write this number in the blank space next to "My score". For example, if you got 4 correct out of 5, you would write 4/5.

Step 3: Put an x in the box that states whether you mastered that category or not.

Step 4: Write out which categories you need a mini lesson on.

Number Systems	Expressions and Equations	Ratios and Proportions	Statistics and Probability	Geometry
<input type="checkbox"/> 6 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13	<input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21 <input type="checkbox"/> 22 <input type="checkbox"/> 23 <input type="checkbox"/> 24 <input type="checkbox"/> 26 <input type="checkbox"/> 27 <input type="checkbox"/> 28 <input type="checkbox"/> 29 <input type="checkbox"/> 30 <input type="checkbox"/> 31 <input type="checkbox"/> 32 <input type="checkbox"/> 33 <input type="checkbox"/> 34 <input type="checkbox"/> 35 <input type="checkbox"/> 36 <input type="checkbox"/> 37 <input type="checkbox"/> 38 <input type="checkbox"/> 39 <input type="checkbox"/> 40 <input type="checkbox"/> 41 <input type="checkbox"/> 42	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 34 <input type="checkbox"/> 35	<input type="checkbox"/> 30 <input type="checkbox"/> 31 <input type="checkbox"/> 32 <input type="checkbox"/> 33 <input type="checkbox"/> 34 <input type="checkbox"/> 35 <input type="checkbox"/> 36 <input type="checkbox"/> 37 <input type="checkbox"/> 38 <input type="checkbox"/> 39 <input type="checkbox"/> 40	<input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 25 <input type="checkbox"/> 26 <input type="checkbox"/> 27 <input type="checkbox"/> 28 <input type="checkbox"/> 29 <input type="checkbox"/> 43 <input type="checkbox"/> 44 <input type="checkbox"/> 45 <input type="checkbox"/> 46 <input type="checkbox"/> 47
My score: ____/5 Mastered 4/5 Correct <input type="checkbox"/> Yes <input type="checkbox"/> No	My score: ____/13 Mastered 9/13 Correct <input type="checkbox"/> Yes <input type="checkbox"/> No	My score: ____/13 Mastered 9/13 Correct <input type="checkbox"/> Yes <input type="checkbox"/> No	My score: ____/7 Mastered 5/7 Correct <input type="checkbox"/> Yes <input type="checkbox"/> No	My score: ____/12 Mastered 8/12 Correct <input type="checkbox"/> Yes <input type="checkbox"/> No

Categories I need a mini lesson on:

Name: _____

Community: _____

Math Practice of Big Ideas

Directions:

This graphic organizer is to help you put all information in one place for this topic. Below the graphic organizer is space for you to work out each of the cards (numbers don't go in order!). Be sure to CHECK WITH THE CONTROL if you get stuck AND as you finish! All work for each problem is shown on the control, so even if you have no idea how to complete a problem, use the control as a "lesson request" and request a lesson when you need to!

Number System - CALCULATOR INACTIVE	
Formulas/Rules to know (Also include facts)	Examples of Problems and Solutions

6.

10.

11.

12.

13.

Expressions and Equations-CALCULATOR ACTIVE

Formulas/"Rules to know (Also include facts)

Examples of Problems and Solutions

19.

20.

21.

22.

23.

24.

36.

37.

38.

39.

40.

41.

42.

Ratios, and Proportions-CALCULATOR INACTIVE FOR 1-5, 7-9

Formulas/"Rules to know (Also include facts)

Examples of Problems and Solutions

1.

2.

3.

4.

5.

7.

8.

9.

16.

17.

18.

34.

35.

Statistics and Probability-CALCULATOR ACTIVE

Formulas/"Rules to know (Also include facts)

Examples of Problems and Solutions

30.

31.

32.

33.

48.

49.

50.

Geometry-CALCULATOR INACTIVE for 14 and 15

Formulas/"Rules to know (Also include facts)

Examples of Problems and Solutions

14.

15.

25.

26.

27.

28.

29.

43.

44.

45.

46.

47.