

Ivy Academia Entrepreneurial Charter School: 2019-2020
 Math Grade 7 – Homework and Classwork
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Units of Linear Measurements US Standard System	
1 foot (ft)	= 12 inches (in)
1 yard (yd)	= 3 feet
1 mile (mi)	= 1760 yards
1 mile	= 5280 feet

Units of Linear Measurements Metric System	
1 centimeter (cm)	= 10 millimeters (mm)
1 decimeter (dm)	= 10 centimeters
1 meter (m)	= 10 decimeters
1 decameter	= 10 meters
1 hectometer	= 100 meters
1 Kilometer (km)	= 1000 meters

Dimensional Analysis:

Including units of measurement as factors when converting unit ratios.

$$\frac{10 \text{ meters}}{1 \text{ sees}} \times \frac{60 \text{ sees}}{1 \text{ min}} = \frac{600 \text{ meters}}{1 \text{ min}}$$

$$\frac{600 \text{ meters}}{1 \text{ min}} \times \frac{60 \text{ mins}}{1 \text{ hour}} = \frac{36,000 \text{ meters}}{1 \text{ hour}}$$

$$\frac{36,000 \text{ meters}}{1 \text{ hour}} \times \frac{1 \text{ km}}{1000 \text{ meters}} = \frac{36 \text{ km}}{1 \text{ hour}}$$

Homework / Classwork to Finish

11/18/19 -- M, T, W, Th, F

Chapter 2 Test on Friday

HW: p155, #1-9

HW: Complete any 8 problems on your Practice Test

HW: Study your Study Guide and Practice Test

Classwork: 20 points for Study Guide Notes

Classwork: 20 points Conversions Puzzle and Math

Weekly Warmups Graded: 20 points

Monster Truck Math Poster -- Final class work will be on Monday, Dec. 2

11/12/19 -- T, W, Th, F (Veteran's Day on Monday)

HW: Worksheet -- Lesson 1 Homework Practice, #1 - 15

HW: p109, #25-33 (Review of Percent Equation)

HW: p147, #1-6 Percent of Change

11/12 Weekly Warmups graded.

Complete "Monster Truck" Math Project in class.

11/04/19 -- M, T, W (Half Day), Th, F (No Period 2)

HW: p133, #1-9b "Percent Equation:" ***Part = Percent x Whole***

Diamond Notes: Mid Chapter 2

HW: p140, #1-9, Mid Chapter 2

Two- Day, Mid Chapter 2 QUIZ: Wednesday, November 6

We will complete the QUIZ next week.

Review HW due Tuesday, 11/12: Worksheet -- #1-15, "Lesson 1 HW Practice" Percent of a Number

NEXT WEEK -- HW: p147, #1-10, "Percent of Change"

Continue Monster Truck Data and Posters

10/28/19 -- M, T, W, Th (Half Day Halloween), F

Unit Rate/Complex Fractions Scarecrow

Prime Factorization Maze

Order of Operations Prism

HW: Khan Academy -- Sign up and complete 1 task. Class Code is below.

Halloween: MONSTER TRUCK Posters: Percent Proportions Include an Eye-Catching Drawing of a Monster Truck, Name of Truck, approximate Cost of the Truck, and Percent Proportion Math of Monster Truck data.

10/22/19 -- T, W, Th (Monday No School, Tuesday Field Trip, Friday School Cancelled, Fires)

HW -- Inquiry Lab, p119-120

HW -- p115, #1-12b

HW -- p125, #1-12

Quiz on Friday Postponed -- Fires

End of Quarter 1

Week of 10/16 -- W, Th, F Half Days (Parent/Teacher Conferences)

HW p110, #37-42 due Friday

Review Notes: Operations with Decimals

QUIZ Study Guide: Know how to complete p109 & p110

QUIZ: Lesson 1 of Chapter 2

Week of 10/7 --M, T, Th (Yom Kippur; Fires on Friday)

HW p107, #1-9

HW p109, #25-33

Equivalent Values Doodle Sheet: Fractions to Decimals to Percents

Chapter 2 Inquiry Lab -- p99-102

Test Corrections due.

Week of 10/2 -- W, Th, F (Rosh Hashanah)

Study for Test. Study Guide.

Halloween Bat Math Facts Review

Chapter 1 Test

Week of 9/23 --

Mid-Chapter 1 Quiz

HW p59, #1-8

MID-CHAPTER 1: Test Corrections w/ Parent Signature due Friday 9/27

HW p62, #23 - 28

HW p69, #1 - 5

Study Guide -- CHAPTER 1 TEST (Test is Next Week: Thursday, 10/3)

Week 5

M, 9/16 -- Proportional vs Nonproportional Relationships, p39, #11 - 13a,b

T, 9/17 -- Mid-Chapter Check, p44, #1 - 9

W, 9/18 -- p49, #1 - 3

Th, 9/19 -- Study Guide: "Mid-Chapter Quiz"

Mid-Chapter Quiz on Monday, 9/23

Week 4

9/9 through 9/14

1. Alligator/Maze: Complex Fractions Practice
2. "Flying Insects" Group Presentations: Dimensional Analysis
3. Substitute Classwork: Unit Rates

Week 3

M 9/2

No School — Labor Day

T 9/3

P29, #1-3

Convert Unit Rates

W 9/4 — Postponed: Back To School Night

Th 9/5 — Most Students: Field Trip, Japanese Museum. No Homework.

F 9/6

Great Weekend. Math Facts thru 12x12: If you don't know them, review and memorize ASAP.

Week 2

M 8/26
P13, #1-5
Rates and Proportional Reasoning

T 8/27
P21, #1-6
Complex Fractions and Unit Rates. KEEP, CHANGE, FLIP

W 8/28
P22, Question 14 + Symmetry/Reflection Drawing
Moth vs Butterfly — 10 points, Classwork. Finish at home.

Th 8/29
Finish “Flying Frog.” Study for Quiz on Friday. (Period 5 will test on Wed, 9/4)
Unit Rates, Complex Fractions

F 8/30
Happy Long Weekend. Review/Memorize Math Facts thru 12x12 if you do not know them.

WELCOME BACK TO SCHOOL!

Week 1
August 20, 2019
Class Activities

1. Frayer Model: Student Interests. Back Side: Favorite Math Concepts & Business Idea
2. The Real Number System
3. HW due next week: School Supplies Daily — Two spirals, “Math Notes” and “Math Practice,” two mechanical pencils with erasers, two highlighters or colored pencils, one blue pen or color other than black. Textbook brought to class daily.
4. Review Math Facts for 12x12 Race / Wall of Champions.