

Brandon Valley School District
District Learning Plan
April 6-10, 2020

Grade 6 Math



Brandon Valley School District Distance Learning Plan

LESSON/UNIT: Distance Learning Review

SUBJECT/GRADE: 6th Grade Math

DATES: April 6-10, 2020



<p>What do students need to do?</p> <p><u>Link to BV instructional video for week of April 6-10, 2020</u></p>	<p>Monday - Thursday: Students will be reviewing concepts covered during distance learning by completing an ALEKS assignment titled Distance Learning Review. The assignment can be accessed on https://my.mheducation.com/. Students are required to achieve a 92% or higher. They will have multiple attempts to achieve this percentage.</p> <p>**If you do not have online access, please contact your teacher to receive a copy of the assignment via email or pick up.</p> <p>Suggestions/Tips:</p> <ul style="list-style-type: none"> ● The assignment can be broken up into segments throughout the week. For example, complete approximately 5 questions a day. You can decide the rate this assignment is completed. It is due Thursday, April 9th at the end of the day. There is no school on Friday, April 10, 2020. ● Student progress will automatically save. ● Use examples and notes provided during distance learning weeks 1-3. Previous notes/examples can be accessed using the archived distance learning plans link (https://brandonvalley.k12.sd.us/covid/DistanceLearningArchive.html). ● Explanations are available for each question utilizing the “eyeglasses” button on the right hand side of the ALEKS assignment. <p>Friday: No school. No assignment.</p>
<p>What do students need to bring back to school?</p>	<ul style="list-style-type: none"> ● submit paper copy of ALEKS assignment (ONLY if you do not submit it online)
<p>What standards do the lessons cover?</p>	<p>6.RP.A. Understand ratio concepts and use ratio reasoning to solve problems.</p> <p>3. Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.</p> <p>a. Make tables of equivalent ratios relating quantities with whole number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.</p> <p>b. Solve unit rate problems including those involving unit pricing and constant speed. For example, if it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed?</p>

c. Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent.

d. Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities

6.G Solve real-world and mathematical problems involving area, surface area, and volume.

1. Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas $V = lwh$ and $V = Bh$ where B is the area of the base to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real world and mathematical problems.

6. NS Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

1. Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.

6.NS Compute fluently with multi-digit numbers and find common factors and multiples.

3. Fluently add, subtract, multiply, and divide multi-digit decimals using an algorithm including but not limited to the standard algorithm for each operation.

6.SP.3: Recognize that a measure of center (mean and/or median) for a numerical data set summarizes all of its values with a single number, while a measure of variation (such as mean absolute deviation and/or range) summarizes data points' distances from the mean or each other.

6.SP.5: Summarize numerical data sets in relation to their context

- b. Describing the nature of the attribute under investigation, including how it was measured and its units of measurement.
- c. Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.

What materials do students need? What extra resources can students use?

- Materials Needed**
- ALEKS assignment (submitted online or through email if using a paper copy)
- Extra Resources**
- Notes/Examples from archived distance learning link <https://brandonvalley.k12.sd.us/covid/DistanceLearningArchive.html>
 - Multiplication Table
 - <https://www.mathsisfun.com/tables.html>

<p>What can students do if they finish early?</p>	<p>ALEKS - https://my.mheducation.com/ *Continue working on your topics *QuickTables (math fact practice) Weather Mean, Median and Mode Activity Ratio Rumble- ratio game Decention- fraction, decimal, percent game</p>
<p>Who can we contact if we have questions?</p>	<p>Brandon Valley Intermediate School Principal- Mr. Skibsted- Nick.Skibsted@k12.sd.us Assistant Principal- Mr. Pearson- Rick.Pearson@k12.sd.us Math Teachers: Ms. VanRoekel: Rebecca.VanRoekel@k12.sd.us (blue team) Ms. Lewis: Layne.Lewis@k12.sd.us (white team) Ms. Wiese: Stacey.Wiese@k12.sd.us (red team) Mr. Kocer: Cassius.Kocer@k12.sd.us (silver team)</p>
<p>Notes: A printed copy of the ALEKS assignment can be emailed or picked up at the BV Intermediate School. Please contact your child's teacher if you cannot access the online assignment.</p>	

Instructional materials are posted below (if applicable)

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