Brandon Valley School District District Learning Plan April 13-17, 2020

Grade 6 Math



Brandon Valley School District Distance Learning Plan

LESSON/UNIT: Number Sense SUBJECT/GRADE: 6th Math DATES: April 13th - 17th

What do students need to do? Tuesday (4/14): NO SCHOOL Tuesday (4/14):		
Students will review terminating and repeating decimals by completing the Terminating and Repeating Decimals Worksheet. Notes/examples are provided on the worksheet. Wednesday (4/15): Link to BV instructional video for week of April 13-17, 2020 Students will review ordering rational numbers by completing the Ordering Rational Numbers Worksheet. Notes/examples are provided on the worksheet. Thursday (4/16) and Friday (4/17): Students will be reviewing rational numbers by completing an ALEKS assignment titled Rational Numbers. The assignment can be accessed on https://my.mheducation.com/ . Students are required to achieve a 90% or higher. They will have multiple attempts to achieve this percentage. Work does not have to be submitted to the teacher. It is due Sunday, April 19th at the end of the day. **If you do not have online access, please contact your teacher to receive a copy of the assignment via email or pick up. Suggestions/Tips: Student progress will automatically save. Use examples and notes provided Tuesday and Wednesday. Explanations are available for each question utilizing the "eyeglasses" button on the right hand side of the ALEKS assignment Terminating and Repeating Decimals Worksheet ALEKS assignment Rational Numbers Worksheet ALEKS assignment Rational Numbers (complete online until you achieve a 90% or submit paper copy if you do not have internet access)		
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	lessons cover?	
a. Interpret statements of inequality as statements about the relative position of two		a. Interpret statements of inequality as statements about the relative position of two
numbers on a number line diagram.		numbers on a number line diagram.
b. Write, interpret, and explain statements of order for rational numbers in real-world		
contexts.		
What materials do Need:		
students need? What math textbook (online book is available at https://my.mheducation.com/		
extra resources can worksheets (see PDF documents below)		
students use? Extra: • Multiplication Table	i studelits use:	
		I ▲ Multiplication Table
ittps//www.mathsbran.com/tables.ntm		 Multiplication Table o https://www.mathsisfun.com/tables.html

What can students do if	ALEKS topics- https://my.mheducation.com/
they finish early?	*Continue working your topics
	*QuickTables (math fact practice)
	*assignments (if your teacher has assigned them)
	*Khan Academy- https://www.khanacademy.org/math
	If it's nice outside, GO OUTSIDE and be ACTIVE!
Who can we contact if	Brandon Valley Intermediate School
we have questions?	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: <u>Layne.Lewis@k12.sd.us</u> (white team)
	Ms. Wiese: Stacey.Wiese@k12.sd.us (red team)
	Mr. Kocer: <u>Cassius.Kocer@k12.sd.us</u> (silver team)

<u>Notes:</u> Worksheets do not have to be printed off. Problems can be answered on blank or lined paper. The math textbook can also be accessed online at https://my.mheducation.com/login.

Instructional materials are posted below (if applicable)

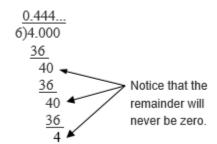
Brandon Valley School District

Terminating and Repeating Decimals

Rational numbers are numbers that can be written as fractions. A **terminating decimal** is a decimal with a repeating digit of 0. A **repeating decimal** is the decimal form of a rational number. To write a fraction as a decimal <u>divide the numerator</u> by the denominator.

Example 1

Write $\frac{\hat{4}}{9}$ as a decimal.



You can use **bar notation** in $0.\overline{4}$ to indicate that 4 repeats forever.

So,
$$\frac{4}{9} = 0.\overline{4}$$
.

Example 2

Write $-\frac{1}{8}$ as a decimal.

So,-
$$\frac{1}{8}$$
 = -0.125

Terminating and Repeating Decimals Worksheet

Write each fraction as a decimal. Use bar notation if necessary.

1.
$$\frac{8}{9}$$

2.
$$-\frac{2}{5}$$

$$3.-\frac{5}{11}$$

Ordering Rational Numbers

Example:

Order these numbers from least to greatest.

$$\frac{15}{2}$$
, $7\frac{5}{9}$, 7.39, 7.398

When comparing rational numbers, convert all values to the same form. Decimal form is typically the most efficient form to use when ordering rational numbers.

$$\frac{15}{2}$$
 = 7.5

$$7\frac{5}{9} = 7.\overline{5}$$

$$7.39 = 7.39$$

$$7.398 = 7.398$$

Write each value so they have the same number of decimal place values.

$$7.\overline{555}$$
 (extended the repeating 5)

7.398 (already written to the thousandths place)

All values have a whole number of 7 so use the decimal place values to determine the order from least to greatest.

$$7.390, 7.398, 7.500, 7.\overline{555}$$

When writing your final answer, each value should be written in the original form.

$$7.39, 7.398, \frac{15}{2}, 7\frac{5}{9}$$

Ordering Rational Numbers Worksheet

Order these numbers from least to greatest.

1.
$$3\frac{1}{3}$$
, 3.3, $3\frac{3}{4}$, 3.5

2. 1.1,
$$2\frac{1}{11}$$
, 2, $1\frac{1}{3}$

3.
$$\frac{2}{3}$$
, -0.6, 0.65, $\frac{4}{5}$