

What we are learning about: Unit 1 Operations with Rational Numbers

One way you can help your student succeed in the unit is by discussing the lesson targets in the chart below. When a lesson is completed, ask your student the following questions:

1. What are the targets (goals) of the lesson?
2. What new words and formulas did you learn?
3. How can you apply the ideas of the lesson to your life?

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| **Target** | **Examples** | **Key Vocabulary** |
| **Multiply and Dividing Integers**Chapter 3 Section 4 & 5  | -2 x 4= -8 -4 x -5 = 20-16/ 2 = -8 -36/ -9 = 4Two negatives turn into a positive. One negative and one positive stays negative.  | * Product
* Integer
* Negative Integer
* Positive Integer
* Quotient
* Order of Operations
 |
| **Absolute Value**Chapter 3 Section 1  | ⎸-5⎹ = 5 ⎹⎸6 ⎹= 6It is the distance a number is away from zero.  | * Absolute Value
 |
| **Adding and Subtracting Integers**Chapter 3 Section 2 and Section 3 | -4 + -4 = -85+ -2 = 35-( -2) = 7-10 – (-3) = -7-10 – 3 = -13 | * Zero Pair
* Opposite
* Sum
* Difference

**Rhyme we use for addition:** Same sign, add and keep different sign, subtract take the sign of the bigger number then it will be exact**Change subtraction to addition-** Add a line change the sign |
| **Adding and Subtracting Fractions**Chapter 4 Section 3, 4 and 5 | $\frac{1}{2}- \frac{-3}{8}$= $\frac{7}{8}$$\frac{-7}{12}$ + $\frac{1}{4}$ =$\frac{-4}{ 12}= \frac{-1}{3}$ | * Rational Number
* Irrational Number
* Fraction
* Like Fraction
* Common Denominator
* Numerator
* Denominator
 |
| **Multiply and Dividing Fractions**Chapter 4 Section 6 and 8 | $\frac{-1}{5} X \frac{4}{7}$ = $\frac{-4}{35}$$$\frac{-5}{8} ÷ \frac{1}{2}turns into $$$\frac{-5}{8} X \frac{2}{1}$= $\frac{-10}{8}$ | * Simplify
* Mixed Number
* Improper Fraction
* Reciprocal
* Numerator
* Denominator
 |

If you or your students have any questions about the unit or math class, feel free to contact me at hummelcl@qps.org or call 217-223-0373 Extension 1309