

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 = 4  Two 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 ⎹= 6  It is the distance a number is away from zero. | * Absolute Value |
| **Adding and Subtracting Integers**  Chapter 3 Section 2 and Section 3 | -4 + -4 = -8  5+ -2 = 3  5-( -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 | =  + = | * Rational Number * Irrational Number * Fraction * Like Fraction * Common Denominator * Numerator * Denominator |
| **Multiply and Dividing Fractions**  Chapter 4 Section 6 and 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](mailto:hummelcl@qps.org) or call 217-223-0373 Extension 1309