

What are we learning about Unit 3: Equations and Expressions?

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** |
| **The Distributive Property**  Chapter 5, Lesson 4 | 90+6x)= 2(90)+ 2(6x)  180 + 12x | * Distributive Property * Expression * Variable |
| **Simplifying Variable Expressions**  Chapter 5, Lesson 5 | 5x+ 4x+7+8  5x and 4x are like terms  7 and 8 are like terms  Add the like terms to get:  9x+15 | * Terms * Coefficient * Constant term * Like terms * Expression |
| **Solving Addition and Subtraction Equations**  Chapter 6 Lesson 1 | X+5=8  -5 -5  X=3 | * Variable * Inverse operation * Solution * Sum * Difference |
| **Solving Multiplication and Division Equations**  Chapter 6 Lesson 2 | 20=4x  =  5=x | * Formula * Inverse operation * Coefficient * Variable * Solution * Quotient * Product |

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| **Solving Two Step Equations**  Chapter 6 Lesson 4 and 5 | 2x + 3 = 9  -3 = -3  2x = 6  =  X = 3 | * Two-step equation * Coefficient * Additive inverse * Inverse operation |
| **Solving Inequalities Using Addition or Subtraction**  Chapter 6 Lesson 6 | x + 5 > 10  -5 > -5  X > 5 | * Inequality * Solution of an Inequality * Equivalent inequalities * Sum * Difference * Word for inequality symbol-chart in notes * Open and closed circles |
| **Solving Inequalities Using Division or Multiplication**  Chapter 6, Lesson 7 | 5x > 10  ÷5 ÷5  x > 2 | * Inequality * Solution of an Inequality * Graphing solutions * Quotient * Product * Word for inequality symbol-chart in notes * Open and closed circles |
| **Solving Two Step Inequalities**  Chapter 6 Lesson 8 | 5x + 6 > 21  -6 -6  5x >15  ÷5 ÷5  X >3 | * Inequality * Solution of an Inequality * Two-Step inequality * Word for inequality symbol-chart in notes * Open and closed circles |

If you or your student 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) 222-3073 Ext.1309