

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 | $2($90+6x)= 2(90)+ 2(6x)180 + 12x | * Distributive Property
* Expression
* Variable
 |
| **Simplifying Variable Expressions** Chapter 5, Lesson 5 | 5x+ 4x+7+85x and 4x are like terms7 and 8 are like termsAdd 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 $\frac{20}{4}$ = $\frac{4x}{4}$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 $\frac{2x}{2}$ = $\frac{6}{2}$ 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
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| **Solving Inequalities Using Division or Multiplication**Chapter 6, Lesson 7 | 5x > 10 ÷5 ÷5x > 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
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If you or your student have any questions about the unit or math class, feel free to contact me at hummelcl@qps.org or call (217) 222-3073 Ext.1309