

Parents as Partners

Algebra 1

What we are learning about: Unit 1 Linear Equations and Inequalities

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** |
| Writing Verbal PhrasesChapter 1 Section 1 | Two more than a number is 24X+2=24 | * Verbal Phrase
* Words on Chart that tell you the four operations-X, /, +, -
 |
| Solving One Step EquationsChapter 1 Section 8 | X+5=8 -5 -5  X=3All operations, x, /, +, - | * Equation
* Solution of

 equation* Formula
 |
| Solving Two-step EquationsChapter 2 Section 1 and 2 |  2x + 3 = 9 -3 = -3 2x = 6 $\frac{2x}{2}$ = $\frac{6}{2}$ X = 3 | * Two-step equation
* Coefficient
* Additive inverse

Inverse operation |
| Solving Multi step EquationsChapter 2 Section 3 | 2x+5x+3=317x+3=31-3 -37x=28÷7 ÷7X=4 | * Like terms
* Distributive Property
* Reciprocal
* Inverse operation
 |
| Solving Equations with Variables on Both sidesChapter 2 Section 4 | 5x+3=4x+8 -4x -4x 1x+3= 8 -3 -3  X= 5 | * Like terms
* Inverse operation
* Solution
 |
| Solving Literal EquationsChapter 2 Section 5 | Solve for V2v+x=l-x -x2v=l-x ÷2 ÷2 V=(l-x)/2 | * Literal equation
* Inverse operation
 |
| Solving One Step inequalitiesChapter 3 Section 2 and 3 |  x + 5 > 10 -5 > -5 X > 5All operations, x, / , +, - | * Inequality
* Solution of an Inequality
* Graphing solutions
* Quotient
* Product
* Sum
* Difference
* Word for inequality symbol-chart in notes
* Open and closed circles
 |
| Solving Multi Step InequalitiesChapter 3 Section 4 |  5(b+6) < 5b +45 5b+30 < 5b + 45 -5b -5b 30<45All Real Numbers are Solutions | * Inequality
* Solution
* All Real Numbers
* No Solutions
* Distributive Property
* Like Terms
* Inverse Operation
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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