

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?

|  |  |  |
| --- | --- | --- |
| **Target** | **Examples** | **Key Vocabulary** |
| Writing Verbal Phrases  Chapter 1 Section 1 | Two more than a number is 24  X+2=24 | * Verbal Phrase * Words on Chart that tell you the four operations-X, /, +, - |
| Solving One Step Equations  Chapter 1 Section 8 | X+5=8  -5 -5  X=3  All operations, x, /, +, - | * Equation * Solution of   equation   * Formula |
| Solving Two-step Equations  Chapter 2 Section 1 and 2 | 2x + 3 = 9  -3 = -3  2x = 6  =  X = 3 | * Two-step equation * Coefficient * Additive inverse   Inverse operation |
| Solving Multi step Equations  Chapter 2 Section 3 | 2x+5x+3=31  7x+3=31  -3 -3  7x=28  ÷7 ÷7  X=4 | * Like terms * Distributive Property * Reciprocal * Inverse operation |
| Solving Equations with Variables on Both sides  Chapter 2 Section 4 | 5x+3=4x+8  -4x -4x  1x+3= 8  -3 -3  X= 5 | * Like terms * Inverse operation * Solution |
| Solving Literal Equations  Chapter 2 Section 5 | Solve for V  2v+x=l  -x -x  2v=l-x  ÷2 ÷2  V=(l-x)/2 | * Literal equation * Inverse operation |
| Solving One Step inequalities  Chapter 3 Section 2 and 3 | x + 5 > 10  -5 > -5  X > 5  All 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 Inequalities  Chapter 3 Section 4 | 5(b+6) < 5b +45  5b+30 < 5b + 45  -5b -5b  30<45  All Real Numbers are Solutions | * Inequality * Solution * All Real Numbers * No Solutions * Distributive Property * Like Terms * Inverse Operation |

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