

Sorting Symbol Strings

Activity Recording Sheet

Name

10/22/02

1. What are the differences between Equations, Inequalities and Expressions? Write as much as you can to explain what you know about how they are different.

Equations are different than inequalities because equations can be solved and inequalities can't. expression can be solved at times or can be put on the number line.

2. Describe the subcategories you noticed within each group. What is alike about all the symbol strings that fit in a particular subcategory? Make sure to list all symbol strings that fit in each subcategory.

Inequalities



These can be placed on the number line but the boundary point can't be by itself so it can't be a solution

Equations



These can also be placed on a number line but the boundary point itself can be a solution

3. With your group, make up at least 6 new symbol strings that fit within the subcategories. List them here **AND** write each one on the front of an index card with a description of the subcategory on the back of the index card.

Property of

Equations

maya + Jasmine + Jeannie + maya

Jeannie + Mr. Dissiton = Mr. Dissiton + Jeannie.

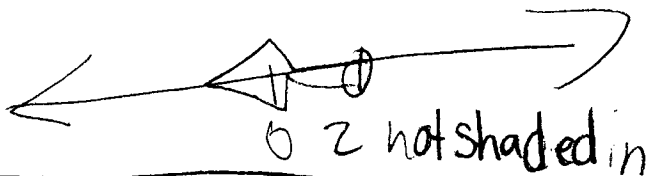
Solving for the unknown

$$50x + 2 = 102$$

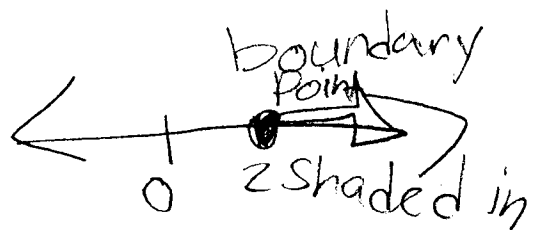
$$4x + 5 = 17$$

Inequalities

(< 17) $2x < 10$



$$2x \geq 10$$



I learned about Equation, Inequalities and Expressions and how they work.

Because Me, Maya and Jeannie solved the problems.

I feel more smarter.

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Name _

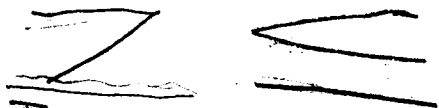
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Inequalities



These can be placed on the number line but the boundary point can

3. With your group, make up at least 6 new symbol strings that fit within the subcategories. List them here **AND** write each one on the front of an index card with a description of the subcategory on the back of the index card.

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1. What are the differences between Equations, Inequalities and Expressions? Write as much as you can to explain what you know about how they are different.

Equations

equations can be solved and when I solved them out I paid attention to the problem.

Inequalities

Inequalities can be solved at times but other times they just can be on a number line.

Expressions

Expressions can use the 3 properties but can be solved at times.

2. Describe the subcategories you noticed within each group. What is alike about all the symbol strings that fit in a particular subcategory? Make sure to list all symbol strings that fit in each subcategory.

INEQUALITIES

EQUATIONS

$<$ $>$ or \leq \geq

↓
These can be placed on a number line but the boundary point itself can't be a solution.

↓
These can also be placed on a number line but the boundary point itself can be a solution.

3. With your group, make up at least 6 new symbol strings that fit within the subcategories. List them here **AND** write each one on the front of an index card with a description of the subcategory on the back of the index card.

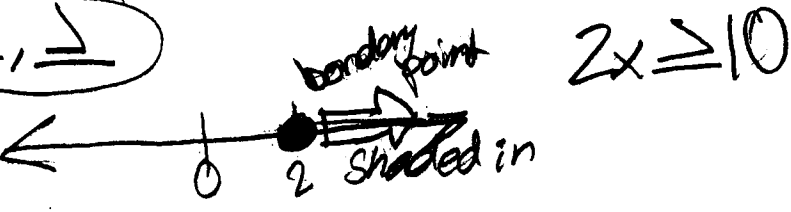
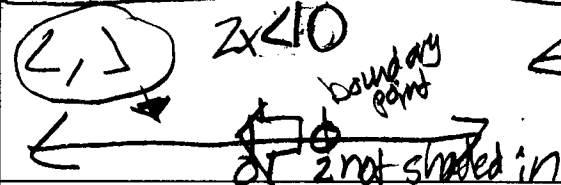
Property of Equations

Maya + Jasmine = Jasmine + Maya
 Jeannie + Mr. Disston = Mr. Disston + Jeannie

Solving for the unknown

$50x + 2 = 102$
 $4x + 5 = 17$

Inequalities



I learned that not all equations equal a number, some equal a variable.

I know that I actually learned it because now if some one ask me what is the difference I can answer it mathematically.

I feel good that we took this lesson because now I know if I come across any situation I can solve it.