Name_____

The Distributive Property

7th Grade Math: AMI Day 1

Simplify each expression.

1) $6(1 - 5m)$

2) $-2(1 - 5v)$

3) $3(4 + 3r)$

4) $3(6r + 8)$

5) $4(8n + 2)$

6) $-(-2 - n)$

7) $-6(7k + 11)$

8) $-3(7n + 1)$

9) $-6(1 + 11b)$

10) $-10(a - 5)$

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Simplifying Variable Expressions

7th Grade Math: AMI Day 2

Simplify each expression.

1) $-3p + 6p$

2) $b - 3 + 6 - 2b$

3) $7x - x$

4) $7p - 10p$

5) $-10v + 6v$

6) $-9r + 10r$

7) $9 + 5r - 9r$

8) $1 - 3v + 10$

9) $5n + 9n$

10) $4b + 6 - 4$

11) $35n - 1 + 46$

12) $-33v - 49v$

13) $30n + 8n$

14) $7x + 31x$

15) $10x + 36 - 38x - 47$

Name : _____

Two-Step Equations: Decimals

Sheet 1

Solve each equation.

1) $0.4x + 2.9 = 1.5$

2) $\frac{v}{2.2} - 0.1 = 7.4$

3) $7 = \frac{a - 9.2}{3}$

4) $-1.3g + 1.9 = -11.1$

5) $-0.9p + 3.2 = -1.7p$

6) $-14.3 = -1.4 - 3d$

7) $14.2 = 2(-5.8 + t)$

8) $-10.6 = \frac{m + 11.7}{0.5}$

9) $\frac{k}{3.5} + 7.4 = 8$

10) $-5.1 - z = 6.5$

Name_____

Two-Step Equation Word Problems

7th Grade Math: AMI Day 4

1) 331 students went on a field trip. Six buses were filled and 7 students traveled in cars. How many students were in each bus?

2) Aliyah had $24 to spend on seven pencils. After buying them she had $10. How much did each pencil cost?

3) The sum of three consecutive numbers is 72. What are the smallest of these numbers?

4) The sum of three consecutive even numbers is 48. What are the smallest of these numbers?

5) You bought a magazine for $5 and four erasers. You spent a total of $25. How much did each eraser cost?

6) Maria bought seven boxes. A week later half of all her boxes were destroyed in a fire. There are now only 22 boxes left. With how many did she start?

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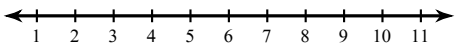
Solving Multi-Step Inequalities

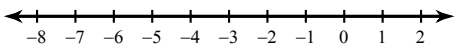
7th Grade Math: AMI Day 5

Solve each inequality and graph its solution.

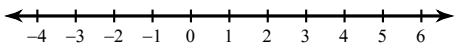
1) $-11 \geq 6 - 2n - 5$



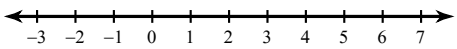
2) $0 > -5x - 6x$



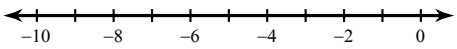
3) $x + 1 + 4 \leq 9$



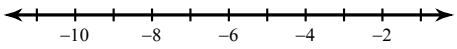
4) $-9 > -5n - 4n$



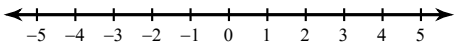
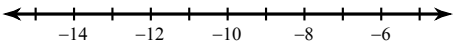
5) $5k - 2k > -9$



6) $-2 \geq 4p + 6 + 4$



7) $30 - 6a < -3(5 + 7a)$



8) $33 + 4x \leq -(x + 7)$