<u>**TASK 2**</u> One and Two Step Equations Week 6 (Sec 6.1 & 6.2)   Name: _____

April 6th to April 12th

The following is to be completed and passed in by **April 12th**

➔ <u>**Please note**</u>: I will be collecting your work at the end of the task and expect to see the following (you will be marked on this):
  ▪ Each section of work (mini-lesson, examples, sets of questions/answers, etc.) must be properly labeled.
  ▪ Work showing that you tried each of the examples requested
  ▪ Answers for each question (not just the final answers!! Show work where possible!)
  ▪ It should be clearly visible that your work was corrected and some questions were done over.

➔ It is necessary that you stay on task and not be disruptive during class time. There will be "guided learning" going on throughout each class (I will be working with a few students at a time, going over class material). The rubric below (#1 specifically) will reflect your effort to cooperate. This is very necessary in order for guided learning to take place.

➔ **Day 1 (Date:_____)**
  • Topic – *"Algebra Tiles"*
  • Whole class lesson – Using algebra tiles to solve equations. **Please copy down examples and construct diagrams when using tiles.**
  • Complete worksheet **"One-Step Equations". See Modelling tiles pdf on website.**
  • Check and correct your answers using the answer key at the back of the classroom. Use pen to mark right or wrong and to **make any corrections.**

➔ **Day 2 (Date:_____)**
  • Topic – *"Solving one step equations - Section 6.1"*
  • Mini-lesson #1- Solving one step equations. **Please copy down examples.**
  • Complete practice questions from **Handout #1**
  • Check and correct your answers using the answer key at the back of the classroom. Use pen to mark right or wrong and to **make any corrections.**
    o Textbook Questions Pg. 272-273 #8ab & 18ab
  • Check and correct your answers using the answer key in the back of your textbook. Use pen to mark right or wrong and to **make any corrections.**

➔ **Day 3 (Date:_____)**
  • Topic – *"Solving two step equations - Section 6.2"*
  • Mini-lesson #2- Solving two step equations. **Please copy down examples.**
  • Complete **Assignment**
  • Check and correct your answers using the answer key at the back of the classroom. Use pen to mark right or wrong and to **make any corrections.**

➔ **Day 4 (Date:_____)**
  • Complete Assignment OR Quiz #1 Solving Equations
  • Tidy up the rest of TASK and hand in complete next pretest.

Please make sure to go through the "Checklist" below before handing in your task!

Item	Description	Checklist	Evaluation
1. Work ethic	Worked quietly and independently without disrupting other students. Stayed on task and used class time effectively. Points will be deducted if you are not using class time effectively.		/5
2. Algebra Tiles	Whole class lesson using Algebra Tiles		
	Worksheet: **One Step Equations**. Show all work.		/10
3. Solving One-Step Equations	**Mini-Lesson**. You are required to pay attention, ask questions, and take notes. **If you miss the mini-lesson**, please do one of the following: borrow and copy another student's notes or come see me for an extra help lesson at lunch hour.		/5
	Handout #1. Complete each question and show ALL your work.		/10
	Check each of your answers with those in the answer key. Incorrect questions must be <u>redone</u> correctly.		/5
	Complete Textbook Questions: 272-273 #8ab & 18ab		/10
	Check each of your answers with those in the answer key. Incorrect questions must be <u>redone</u> correctly.		/5
4. Solving Two-Step Equations	**Mini-Lesson**. You are required to pay attention, ask questions, and take notes. **If you miss the mini-lesson**, please do one of the following: borrow and copy another student's notes or come see me for an extra help lesson at lunch hour.		/5
5. Assignment	**Assignment**. Complete each question and show ALL your work.		/10
	Check each of your answers with those in the answer key. Incorrect questions must be <u>redone</u> correctly.		/5
6. Math Activity	1. Attempt questions from the UNB Math Competition 2. Play another Math game		/10
7. Organization of the week's work	Complete Assignment and Show ALL work! Answers without work shown will be given a mark of ZERO.		/10
8. Completion of task	The student's work is organized; it is easy to follow and text questions/answers are properly numbered and mini-lessons labeled.		/5
	Task was FULLY completed and passed in on or before due date specified. **April 12ᵗʰ**		/5
		Total:	/100

CRYPTIC QUIZ

1. Why does Beethoven now spend all his time erasing music?

$$\overline{16}\ \ \overline{6}\ \ \overline{-4}\ \ \overline{10}\ \ \overline{-3}\ \ \overline{6}\ \ \overline{-9}\ \ \overline{7}\ \ \overline{20}\ \ \overline{-5}\ \ \overline{7}\ \ \overline{10}\ \ \overline{-4}\ \ \overline{3}\ \ \overline{21}$$

2. What is it called when a sea bird lands on a channel marker?

$$\overline{-36}\ \ \overline{9}\ \ \overline{7}\ \ \overline{-8}\ \ \overline{20}\ \ \overline{6}\ \ \overline{6}\ \ \overline{-2}\ \ \overline{10}\ \ \overline{21}\ \ \overline{9}\ \ \overline{11}\ \ \overline{11}$$

3. How does a tree feel after a hard day at work?

$$\overline{-36}\ \ \overline{9}\ \ \overline{10}\ \ \overline{16}\ \ \overline{6}\ \ \overline{-3}$$

TO DECODE THE ANSWERS TO THESE QUESTIONS:

Solve each equation below and find your answer in the code. Each time the solution appears, write the letter of that exercise above it.

(O) $8u = 3u + 35$

(N) $7y = 33 - 4y$

(E) $2x + 48 = 10x$

(T) $5t - 26 = 18t$

(I) $k = 8k + 28$

(G) $-30n = -27n - 63$

(H) $4x + 4 = 2x + 36$

(D) $9y - 1 = y - 25$

(P) $14p - 8 = 22 + 20p$

(L) $z + 81 = 9z - 7$

(Y) $39 - 12w = 7 - 16w$

(C) $-15v - 40 = 23 - 8v$

(M) $63 - x = 2x + 3$

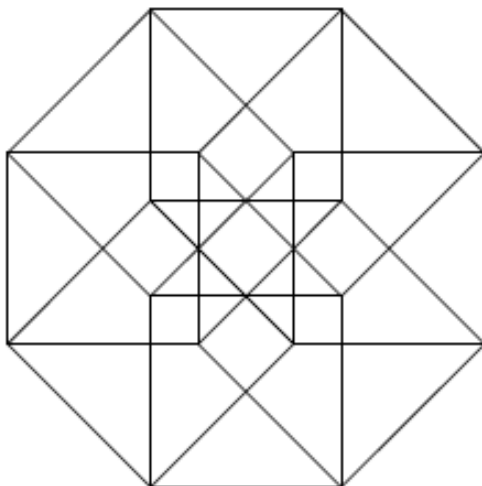(U) $3n + 46 = 1 + 8n$

(B) $12r - 18 = 13r + 18$

(S) $-x - 1 = x - 21$

OBJECTIVE 4–n: To solve equations having the variable in both sides.

Instructions:
Find x and color in the triangle(s) that correspond to the value. For this assignment, you need only one color. A pencil or pen will work fine.

Single Step Equations

1) $x - 31 = 54$

2) $x - 32 = 25$

3) $13x = 0$

4) $7x = -343$

Multi-Step Equations

5) $2x - 6 = 40$

6) $3x - 7 = 56$

7) $11x - 1 = -122$

Combining Like Terms First

8) $2x + 3x - 5 = 20$

9) $7x - 3x - 50 = 50$

10) $9x - 6x + 2 = 50$

Distribute First

11) $6(x - 1) = 30$

12) $10(x + 1) = 110$

Solving Equations with Variables on Both Sides

13) $9x = 6x + 9$
Hint: Move all of the x's to one side. Since 6x is smaller, move it to the left side by subtracting 6x from both sides.

14) $8x = 3x + 20$

15) $20x = 12x + 16$