

Problem of the Day: Solve the equation.  
 $8x - 7(x - 7) = 5x + 33$   
 $8x - 7x + 49 = 5x + 33$   
 $-x + 49 = 5x + 33$   
 $49 = 4x + 33$   
 $16 = 4x$   
 $4 = x$

Plan for the Day: Collect homework. Choose My Grade, and circuit.

TEST over solving equations with variables on both sides and distributive property.

Work on Choose My Grade and/or extra credit after Objective: We will be able to solve equations with variables on both sides.

Good luck JH Volleyball at Fairfield!!

no solution

$$\begin{array}{r} 4x - 8 = 4x + 15 \\ -4x \quad -4x \\ \hline -8 = 15 \\ \text{no solution} \end{array}$$

all real #s

$$\begin{array}{r} 4x - 8 = 4x - 8 \\ -4x \quad -4x \\ \hline -8 = -8 \\ \text{all real} \end{array}$$

1. The kids who got pencils didn't get anything red. The one who got the orange binder didn't get the backpack.

2. The five kids are the girl who got the alarm clock, the one who got the orange ruler, the one who got the felt tip pens, Joy, and the one who got the green binder.

3. The one who got the yellow binder also got a red ruler, but it wasn't Beth. The one who got the drawing tablet also got a green ruler.

4. Steve got mechanical pencils but he didn't get an orange ruler. Rich talked his mom into getting him the colored pencils for art class but he didn't get anything green.

5. Tabitha got the markers. The girl who got the backpack also got a blue ruler.

6. The kids who got the mechanical, wood, and colored pencils, in no particular order, were Rich, the one who got the yellow ruler, and the girl who got the orange binder.

	blue	green	orange	red	yellow	blue	green	orange	red	yellow	ball point pens	felt tip pens	markers	mechanical pencils	wood pencils	alarm clock	backpack	cell phone cover	colored pencils	drawing tablet						
Beth				X																						
Joy																										
Rich																										
Steve																										
Tabitha																										
alarm clock																										
backpack																										
cell phone cover																										
colored pencils																										
drawing tablet																										
ball point pens																										
felt tip pens																										
markers																										
mechanical pencils																										
wood pencils																										
blue																										
green																										
orange																										
red	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
yellow																										