Problem of the Day

Ms. Red, Ms. Blue, and Ms. Green attended a holiday party. They each wore a different-colored dress, red, blue, or green. Ms. Red said to the lady wearing the blue dress, "Did you notice that none of us is wearing a dress with the color that corresponds to our name?" Who wore which color dress?

12.5 12.6 12.7 **Inequality Word Problems** 2/7/18

Feb 7-10:14 AM

Jan 26-11:52 AM

Edgar's August profit of \$137 was at least \$20 higher than his July profit. What was July's profit?

Let p represent the profit increase from July to August.

August profit was at least \$20 higher than July's profit. 20 +

\$137 ≥ $137 \ge 20 + p$

Subtract 20 from both sides.

-20 -20 $117 \ge p$

> $p \leq 117$ Rewrite the inequality.

July's profit was at most \$117.

Rylan's March profit of \$172 was at least \$12 less than his February profit. What was February's profit?

variable 40. Drott Answer Phrase

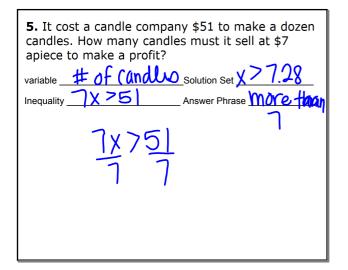
Jan 26-11:56 AM

Jan 26-11:56 AM

There are at least 17 more bus riders than walkers in a class. If there are 7 walkers, how many bus riders are there? variable # of bus ridus solution set X = Answer Phrase 🚮 24 ridus

It cost Josh \$85 to make candles for the craft fair. How many candles must he sell at \$4.00 each to make a profit? of Canduo Solution Set X 21.25 Answer Phrase 0+ 0ast

Jan 26-11:57 AM Jan 26-11:57 AM



Brice has \$30 to take his brother and his friends to the movies. If each ticket costs \$4.00, and he must buy tickets for himself and his brother, what is the greatest number of friends he can invite?

variable $\frac{1}{4}$ $\frac{1}$

Jan 26-11:59 AM

Jan 26-12:00 PM

Marc wants to buy a set of at least 6 antique chairs for his dining room. He has decided to spend no more than \$390. What is the most he can spend per chair?

variable # of chairs solution Set $\times = 65$ Inequality $6\times = 390$ Answer Phrase $6\times = 390$

Jan 26-12:00 PM

Jan 26-12:04 PM

Lori has \$54. She we sweater that costs \$ What is the most she each CD assuming so CDs at the same privariable (*OST of CD's	28 and two CDs. e can spend on she buys two
Inequality	_ Answer Phrase at most
54228+2X	2×128=54
	3X < 36
	X=13

	Members at a yoga school pay \$10 per class plus a one-time \$100 membership fee. Non-members pay \$15 per class. How many classes would a member have to take to save money compared to taking classes as a non-member?	
variable	Solution Set	
Inequality	Answer Phrase	

Jan 26-12:01 PM Jan 26-12:02 PM

Alice earns 1.5 times her normal hourly rate for each hour she works after 40 hours in a week. She worked 50 hours this week and earned \$660. What is her normal hourly rate?	
Solution Set	
Answer Phrase	

Jan 26-12:02 PM