9-21-15

Systems of Equations and Inequalities
Word Problems

Key Words or Phrases:
sum - means add
difference - means subtract
less than - means subtract
more than- means add
twice or double - means multiply by 2
product- means multiply
quotient- means divide
is - means equals
1/2 of, 1/3 of , 2/5 of -- means multiply by that fraction
minimum - means greater than or equal to
maximum - means less than or equal to
at least - means greater than or equal to
at most - means less than or equal to
no more - means less than or equal to

Sep 23-12:37 PM

Sep 28-4:56 PM

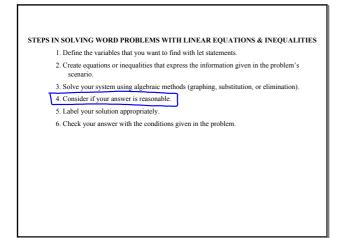
5. Erin is buying hamburgers and hotdogs for a party. She needs to buy a minimum of 30 items, but does not want to exceed 70 items. She also decides the number of hamburgers should be at least 3

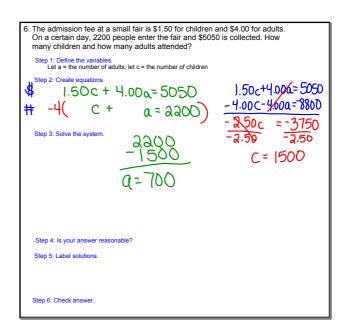
The difference of two numbers is 7
x-y=7
The cost, C, of a tv is equal to the price, P plus tax, T.
C = P + T
She has no more than 50 pairs of shoes
X ≤ 50
The number of boys is at least twice the number of girls
$\beta \geq 3G$

times the number of hotdogs. Write a system of inequalities for the situation.
$$HM+HD \geq 30$$

$$HM+HD \leq 70$$

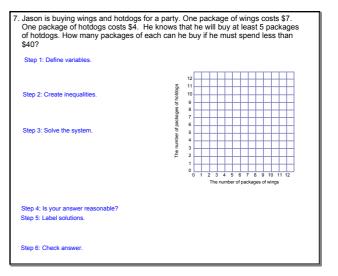
$$HM \geq 3HD$$



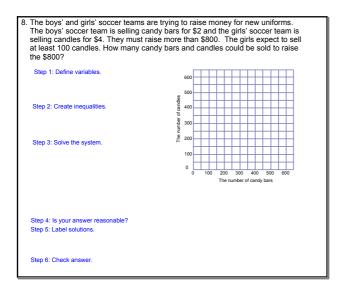


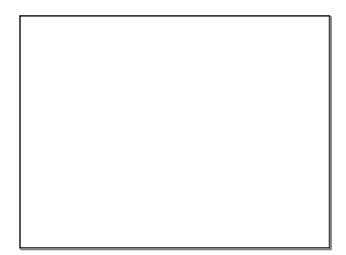
Sep 23-12:34 PM

Sep 23-12:37 PM



Sep 23-12:51 PM Sep 23-12:51 PM





Sep 23-12:51 PM

Sep 21-10:03 AM