

Name:

ANSWERS!

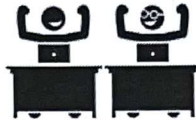
Class:



Communication



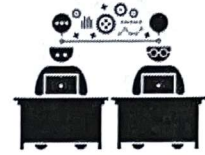
Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

You have nickels, x , and dimes, y . You have 7 or more coins combined. The coins have a value of less than \$0.50.

Part A Write an inequality representing the number of coins you could have.

$$x + y \geq 7$$

Part B Write an inequality representing the value of the coins.

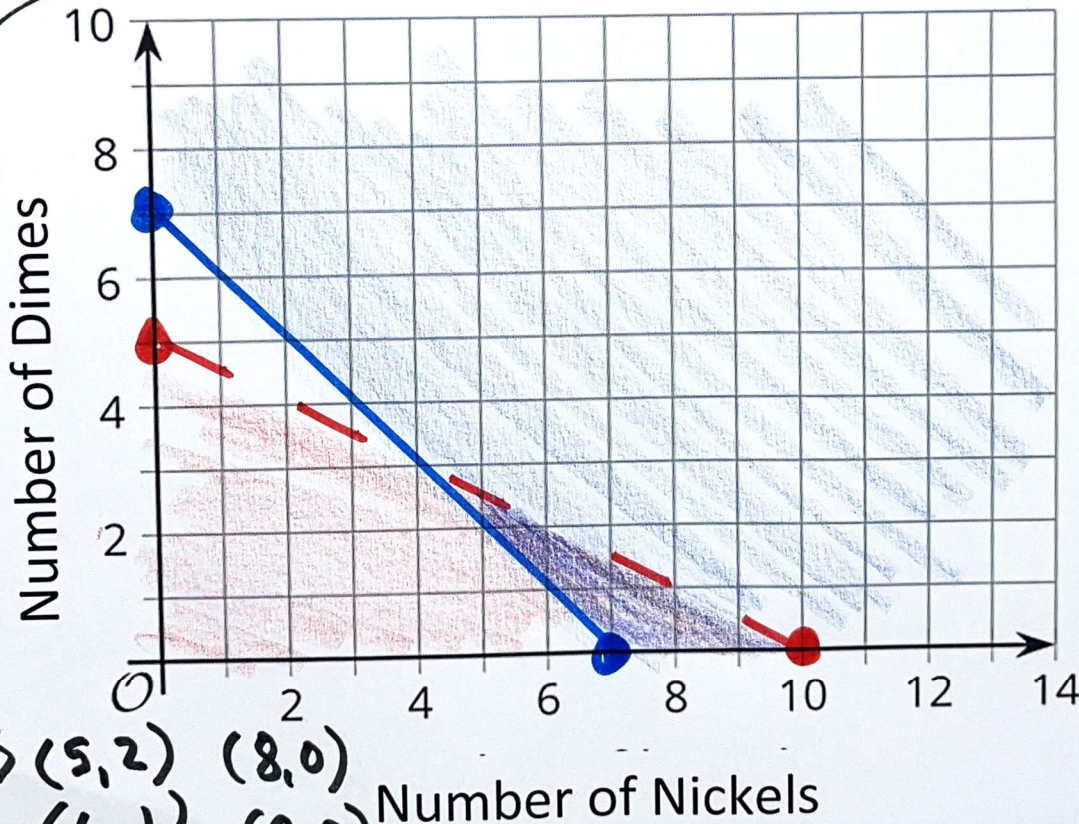
$$5x + 10y < 50$$

Part C Graph the inequalities.

find zeros $(7,0)$ & $(0,7)$

find zeros $(10,0)$ & $(0,5)$

Part D What are some of the options?



- $(5, 2)$
- $(6, 1)$
- $(7, 0)$
- $(8, 0)$
- $(9, 0)$
- $(7, 1)$

Question 02

You have nickels, x , and dimes, y . You have 8 or less coins combined. The coins have a value of more than \$0.50.

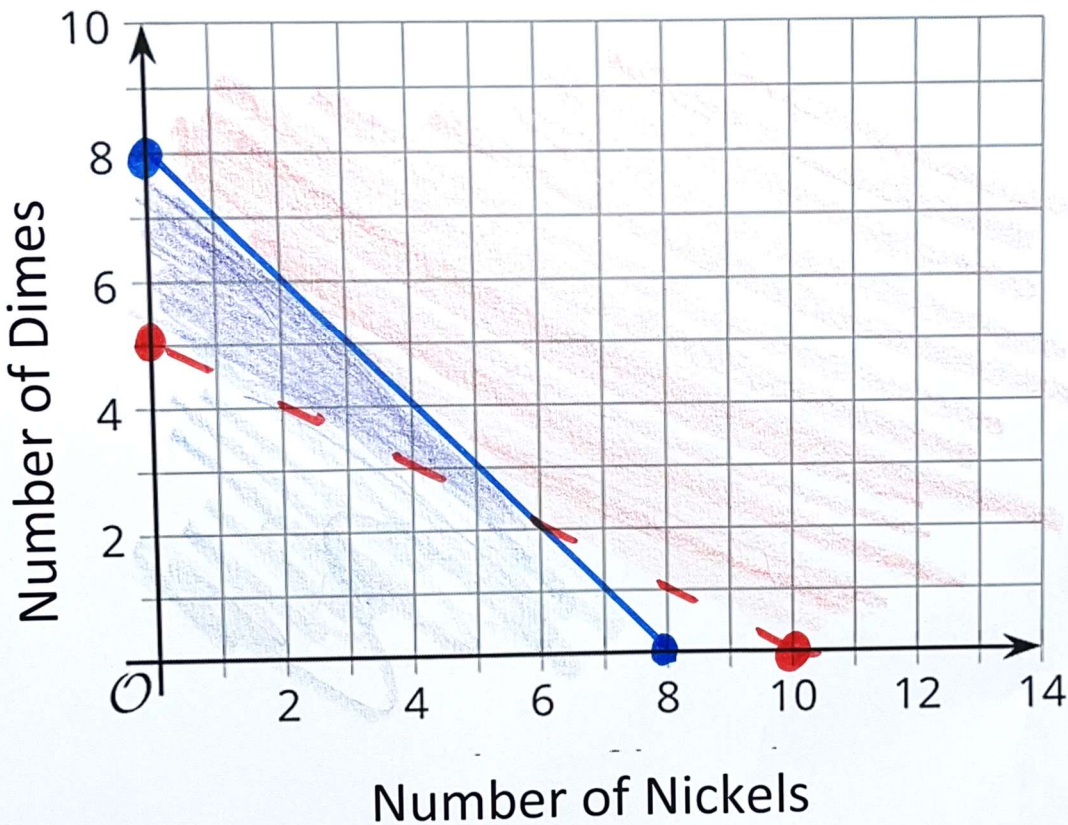
Part A Write an inequality representing the number of coins you could have. $x + y \leq 8$

Part B Write an inequality representing the value of the coins. $5x + 10y > 50$

Part C Graph the inequalities. find zeros $(8, 0)$ & $(0, 8)$

Part D What are some of the options? find zeros $(10, 0)$ & $(0, 5)$

- $(0, 6)$ $(1, 5)$ $(2, 5)$
- $(0, 7)$ $(1, 6)$ $(2, 6)$ $(3, 5)$
- $(0, 8)$ $(1, 7)$ $(3, 4)$ $(4, 4)$ $(5, 3)$



check if $(6, 2)$ would work

$x + y \leq 8$ $6 + 2 \leq 8$ Yes! but....

$5x + 10y > 50$ $5(6) + 2(10) = 50$ No! $(6, 2)$ does not work