Name:

ANSWERS!

Period:





Successful Portnership







Encouragement

Solving Problem Together

Collaboration

2 pairs is

Lesson 9-4 Classwork

Calculators OK

Question 01

You want to buy two boxes of pancake mix, each costing \$3.50. You also want to buy five cartons of milk, each costing *m* dollars. You have only \$15 to spend. Which inequality models this situation?

a)
$$5m + 3.5 \le 15$$

b)
$$5m + 3.5 \ge 15$$

c)
$$5m + 7 \le 15$$

d)
$$5m + 7 \ge 15$$

Question 03

You want to buy two pairs of pants, each costing \$22.50. You also want to buy four shirts, each costing s dollars. You only have 100 to spend. Which inequality

a)
$$4s + 45 \ge 100$$

models this situation?

b)
$$4s + 45 \le 100$$

d) $4s + 22.5 \ge 100$

MORE

equal

Can

Zboxes

Question 02

In the question above, what is the maximum amount each carton of milk could cost if you were able to make your planned purchases? \$ 15 too.

Question 04

In the question above, what is the maximum amount each shirt could cost if you were able to make your planned purchases?

5m+7 = 15 \$ 1,60 5m = 8 m 51.6 \$ 13.75

45+45 = 100 -45 -45 45555 5413.75

Question 05

A student wants to save at least \$5,000 for college. The student already has \$275 from birthday gift money. She plans to work at a store for \$20 per hour to save the rest. If *n* is the number of hours she needs to work to meet her goal, which inequality models this situation?

a)
$$20 + n + 275 \ge 5{,}000$$

b)
$$20n - 275 \ge 5{,}000$$

c)
$$20n + 275 \ge 5{,}000$$

d)
$$20n + 275 \le 5,000$$

Question 06

In the question above, how many hours does she have to work to meet her goal?

hours (whole number only)

20x+2

A student wants to save at least \$2,000 for college. The student already has \$163 from birthday gift money. He plans to work at a store for \$21.50 per hour to save the rest. How many hours does he have to work to meet his goal?

Question 08

A shopper wants to buy a new speaker and as many video games as she can at Target. She has \$100 to spend. The speaker costs \$27.75 and each game costs \$17.50. How many games can she buy?

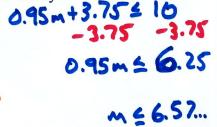
games

$$17.59 + 27.75 \le 100$$
 $-27.75 - 27.25$
 $17.59 \le 72.25$
 $4.12...$

Question 09

A shopper wants to buy a hot chocolate and as many muffins as he can at a bakery. He has \$10 to spend. The hot chocolate costs \$3.75 and each muffin costs \$0.95. How many muffins can he buy?

muffins



Question 10

A shopper wants to buy a new suit and as many matching neck ties as he can. He has \$500 to spend. The suit costs \$375 and each neck tie costs \$35. How many neck ties can he buy?

3 ties

35 n+375 £ 500 -375 -375 35n4 125

21.5n+163 ≥ 2000 hours (whole number only) 21.5n > 1837

n ≥ 85.4....

N = 3.57 ...