Apples and Bananas

Apples cost $0.80 each and bananas cost $0.60 each.

      a)   Make a list or table of the different combinations of apples and bananas that would cost exactly $20. How many combinations are there?

      b)   Make a graph on a separate piece of graph paper that conveys the situation in this problem. Make sure you label the axes and use an appropriate scale.

      c) Write an equation that states that the total price of apples (*a*) and bananas (*b)* is exactly $20.

Menu Questions

At the Wonderland Amusement Park, it costs $3 to ride the Ferris wheel and $5 to ride the roller coaster. One day they sell exactly $100 worth of tickets.

a) *Make a list or table of the different combinations of tickets that would bring in exactly $100. How many combinations are there?*

b) *Make a graph on a separate piece of graph paper that conveys the situation in this problem. Make sure you label the axes and use an appropriate scale.*

c) *If the park sold exactly 24 tickets, how many of the tickets were for the Ferris wheel?*

** Apples cost $0.80 each and bananas cost $0.60 each. *Pat spent the same amount of money on apples as bananas. If the total that Pat spent was an exact whole number of dollars, what is the least that Pat could have spent?*

*** Pat has enough money to buy either 90 granola bars or 78 pop-tarts. After returning from the store, Pat has no money, 75 granola bars, and some pop-tarts. Assuming that Pat has not yet eaten anything, figure out how many pop-tarts Pat has.

***Pears cost $0.60 each and peaches cost $0.90 each.*

a) Is it possible to spend exactly $5.10 on pears and peaches? If so, give an example. If not, explain how you know that it is not possible.
b) Is it possible to spend exactly $6.50 on pears and peaches? If so, give an example. If not, explain how you know that it is not possible.
c) Alex buys some pears and some peaches. Alex spent more than $5.50 but less than $6.00. How much did Pat spend?
d) Kim buys twice as many peaches as pears. Kim spends more than $5.00 and less than $9.00. How much did Kim spend?

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Math for Every Student