

Linear Relationship – Standard Form

Extra Practice Items:

1. You have \$24.00 to purchase grapes and strawberries for a party. Grapes cost \$1.50 per pound and strawberries cost \$2.00 per pound. What are three different amounts of grapes and strawberries that you could purchase to spend the \$24.00? Use mathematics to justify each answer.
2. Suppose you have two summer jobs. You earn \$6 per hour cutting lawns and \$4 per hour baby-sitting. You want to earn \$180. What are three different combinations of hours that you would need to work at each job to earn the \$180? Use mathematics to explain how you determined your answers. Use word, symbols, or both in your explanation.
3. The drama club is selling tickets for a play. Adult tickets cost \$5 each and student tickets cost \$3 each. The drama club needs to sell \$2400 worth of tickets. Write an equation that describes the number of adult and student tickets that could be sold to raise the money needed. What are five different combinations of adult and student tickets that need to be sold to raise \$2400? Use mathematics to justify each answer.