

Exam 3 - Word Problems (Solving Linear Equations) Practice

Exam 3 will have one word problem. These problems and the problems from lecture should help you practice.

1. Olga built two new planters in her backyard. The first planter has a square shape. The second planter has the shape of an equilateral triangle. The side lengths of the square garden are 3 feet longer than the side lengths of the triangular planter. What are the side lengths of both planters if Olga used 61 feet of fencing in total to build both planters?
2. Lee-Ann and Liken are collecting seashells. Together they collected 50 seashells. Lee-Ann collected 14 more seashells than Liken. How many shells did each of them collect?
3. Delano is selling chocolate chip and oatmeal cookies. Chocolate cookies are \$1.00 each. Oatmeal cookies are \$2.00 each. In the first sale of the day, Delano sold 15 cookies and made a total of \$25.00. How many of each type of cookie was sold?
4. Bryant is investing money to start a savings account. His mother is willing to double his initial investment. After that, Bryant will add \$20 to the account every week. How much money does Bryant need to invest initially if he wants to have \$350 in his account after one month?
5. Kayston and Terard collect baseball cards. Kayston is starting with 26 cards. He will sell 5 cards and buy 3 cards every day for a week. Terard is starting with 10 cards. He will sell 3 cards and buy 5 cards every day for a week. On which day, (first, second, third, etc.) will they have the same number of cards ?