Chapter 1-6 Review

1. There are 28 boys and 42 girls in Mr. Wong's class. He wants to group all students so that each group has the same number of boys and girls as the other groups.

    What is the greatest number of groups Mr. Wong can have?
    How many girls are in each group?
    How many boys are in each group?

2. Sally makes snack bags that contain a box of raisins and a granola bar.

    The granola bar comes 14 to a package and each package of raisins come with 10 boxes.

    What is the least number of boxes of raisins and granola bars do she can have the same number of boxes of raisins and number of granola bars?
    How many packages of raisins will she need?
    How many packages of granola bars will she need?

3. A tree grows one and three-fourth feet per year. How long will it take the tree to grow from a height of 16 ¾ feet to a height of 30 ½ feet?

4. Point A and Point B are 6 units apart.
    The coordinates of Point A are (-5, 2).
    The y-coordinate for Point B is 2.
    What are the possible coordinates for Point B?

5. Given the coordinate (3 , -4)
    What quadrant is it in?
    What are the coordinates of the point reflected across the y-axis?

6. Audrey planted cabbage, squash, and carrots on her 450-acre farm. She planted half the farm with carrots and 22% with cabbage.

    How many acres did she plant with squash?

7. There were 240 people at the concert. If 40% of the seats were filled, how many seats were in the auditorium?

8. Benjamin's living room is a rectangle measuring 12 yards by 216 inches.
   By how many inches does the length of the room exceed the width?

   By how many feet does the length of the room exceed the width?

9. Jeremy rides a bicycle for 3.7 kilometers to school. Luke walks 850 meters to school.

   How much farther does Jeremy have to ride his bike to school in meters?