Chapter 1-3 Review

1. A gallon of water at room temperature weighs 9.85 pounds.
   Eric puts 3.7 gallons of water into a bucket, how much does the water weigh in the bucket?

2. There are 30 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?

3. 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 8 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?

4. Which situations represent the integer 7?

   A golfer's score is 7 under par.
   A student answers a 7-point question correctly.
   Mr. Wong gains 7 pounds.
   Mr. Wong withdraws 7 dollars from his bank account.

5. A tree grows one and one-half feet per year. How long will it take the tree to grow from a height of 18 ¾ feet to a height of 30 ½ feet?

6. It takes Zaven two and one-half hours to make a poster. He worked Monday through Friday, 6 hours a day.
   How many posters did Zaven make?

8. A box of crackers weighs 14 ¼ ounces. Alec says one serving is ¾ ounce. How many servings are in the box?

7. Point A and Point B are 6 units apart.
The coordinates of Point A are (-3, 4).
The y-coordinate for Point B is 4.
What are the possible coordinates for Point B?

8. Given the coordinate (¾ , -1 ¾)
What quadrant is it in?
What are the coordinates of the point reflected across the y-axis?

9. Point A and Point B are 6 units apart.

The coordinates of Point A are (-2, 5).
The y-coordinate for Point B is 5.
What would the coordinates of Point A
be if it is reflected across the x-axis?

10.   What is the order of operations?