Review 1

1. Evaluate the expression $-15 \times (5 - 9)$.

2. List all the factors of 36.

3. Write the numbers in order, from least to greatest: $\frac{5}{9}, \ -\frac{2}{3}, \ -\frac{4}{9}, \ -\frac{23}{9}$

4. Add $\frac{3}{8}$ to $\frac{1}{6}$.

5. What is the sum of $4\frac{7}{16}$ and $\frac{15}{16}$?

6. Subtract $\frac{9}{16}$ from $1\frac{7}{8}$.

7. Multiply $\frac{13}{16}$ by $\frac{3}{4}$.

8. What is $\frac{2}{3}$ of $21\frac{3}{4}$?

9. Divide $2\frac{3}{4}$ by $\frac{9}{16}$.

10. A bill of materials calls for 100 pieces of channel, each 8-inches long. The channel specified only comes in 6-foot lengths.

   (a) How many 6-foot lengths of channel are required for the job?

   (b) How much channel will be left over?

11. Fifty gallons of active ingredient are required for every two hundred gallons of carrier.

   (a) How many gallons of active ingredient are required for $1,000$ gallons of carrier?

   (b) How many gallons of carrier are required for sixty gallons of acitve ingredient?

   (c) How many gallons of each is required for $5,000$ gallons of mixture?