Name _____ Date_____

1. The fountain in the pond behind Kevin's school has a pump that recirculates 60 gallons of water every $\frac{1}{5}$ of an hour. Express this rate as a **unit** rate in gallons per hour.

2. The fountain in the pond at the public park near Kevin's house has a pump that recirculates 75 gallons of water in $\frac{1}{4}$ of an hour. Express this rate as a **unit** rate in gallons per hour.

3. Which fountain flows at a faster rate? Explain.

Name _____ Date_____

Juan learned that gear ratio refers to the number of times one gear rotates in relation to the other gear. The ratio of the gears in the picture below is $1\frac{1}{2}$ to $\frac{1}{2}$.

1. Write two **unit** rates to represent the gear ratio above.

2. Explain what each unit rate means in the context of the problem.

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Name _____ Date_____

Robin is making bows to sell at her mother's yard sale. She will use $\frac{3}{4}$ foot of red ribbon and $\frac{2}{3}$ foot of blue ribbon to make each bow.

1. What is the ratio of the length of red ribbon to blue ribbon?

2. What is the ratio of the length of red ribbon to blue ribbon written as a unit rate? Show how you converted this ratio to a unit rate.

3. What is the ratio of the length of blue ribbon to red ribbon?

4. What is the ratio of the length of blue ribbon to red ribbon written as a unit rate? Show how you converted this ratio to a unit rate.

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