In each problem, record the rate appropriate for the question asked, find the corresponding unit rate, write a short sentence interpreting the unit rate, and use this rate to find the solution to the problem.

1. Anne is painting her house light blue. To make the color she wants, she must add 3 cans of white paint to every 2 cans of blue paint. How many cans of white paint will she need to mix with 6 cans of blue?

Rate needed: __________

Unit rate: __________

Interpretation of unit rate: ___________________________________________________________________

Solution: ________________________________________________________________________________

2. Ryan is making a fruit drink. The directions say to mix 5 cups of water with 2 scoops of powdered fruit mix. How many cups of water should he use with 9 scoops of fruit mix?

Rate needed: __________

Unit rate: __________

Interpretation of unit rate: __________________________________________________________________

Solution: ________________________________________________________________________________

3. Donna is running around a track. It takes her 10 minutes to run 6 laps. If she keeps running at the same speed, how long will it take her to run 5 laps?

Rate needed: __________

Unit rate: __________

Interpretation of unit rate: __________________________________________________________________

Solution: ________________________________________________________________________________

4. Mark's model train can go 12 laps around its track in 4 minutes. If it runs at the same speed, how many laps can the train go in 9 minutes?

Rate needed: __________

Unit rate: __________

Interpretation of unit rate: __________________________________________________________________

Solution: ________________________________________________________________________________