**Directions**: In small collaborative groups, work as a team to complete the following problems. Be sure that each member contributes to the discussion and has the chance to share their thoughts.

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| **Algebra Connections:**Evaluate the expression when x = 3/5 and y = 8 1) x ÷ y2) y ÷ x | **Geometry Connections:**3) The area of the rectangle below is 1/4 ft2. Find the width, when the length is 3/8 feet long.Image result for rectangle |
| **Word Problems:**4) Matt is running a frozen yogurt shop for the summer. At the end of a Saturday night, there is a long line outside of the shop, but Matt is running low on yogurt. The meter on the yogurt machine says it has $\frac{1}{2}$ gallon left. Each cup of yogurt is $\frac{1}{8}$ gallon. How many more people can Matt serve?5) Emilia and her mom bake together every weekend. Now, it is her mom’s birthday, and Emilia would like to bake her mom a cake on her own. The recipe calls for $\frac{2}{3}$ of a cup of sugar. Emilia has $\frac{1}{2}$ of a cup of sugar. How much of the recipe can Emilia make? | **Mock “Math Talk”**6) Read the statements below and determine who is correct. Be sure to include your reasoning for your answer.***Bri said***: 1/2 ÷ 2/5 > 1***Mya said***: 7/8 ÷ 1/9 > 1 |