Unit 1 Day 4 - Adding and Subtracting Fractions Assignment Name: _____

Challenge is the new comfort zone. We love a challenge.

Simplify. Show all work! Don't use a calculator to answer these; you need to understand the process.

1. In an auditorium, 1/6 of the students are fifth graders, 1/3 are fourth graders, and ¼ of the remaining students are second graders. If there are 96 students in the auditorium, how many second graders are there?

Show your thinking with a diagram.

2. You decide to dye your hair various colors for Halloween. If you dye 1/3 of it blue, ¼ pink, and ¼ black, how much of your original hair color is left? Show your thinking with a diagram.

(Mrs. Bagley does not recommend actually doing this.)

3. $\mathbf{2\frac{1}{3} + \left(-1\frac{2}{3}\right)}$

4. $\mathbf{-1\frac{3}{4} + \left(-3\frac{3}{4}\right)}$

5. $\mathbf{-1\frac{7}{8} + \left(-3\frac{1}{2}\right)}$

6. $\mathbf{-2\frac{7}{8} + \left(-1\frac{1}{2}\right)}$

7. $\mathbf{-2\frac{5}{6} - \left(-1\frac{1}{4}\right)}$

8. $\mathbf{-3\frac{5}{8} - 4\frac{2}{5}}$

9. $\mathbf{1\frac{2}{5} - \left(-3\frac{3}{4}\right)}$

10. $\mathbf{2\frac{4}{5} - \frac{5}{8}}$