NAME: _____

Expressions and Equations
Set 2: Multi-Step Real-Life Problems with Rational Numbers

Station 3

Mike's brother is going to college, so now he has a bedroom to himself. Mike wants to put up 2 new movie posters on the wall that used to be his brother's. The wall is $8\frac{2}{3}$ feet wide and each poster is 25 inches wide. He wants the posters spaced out so there is the same amount of space on either side of the posters, and between them, too.

Use the information in the problem to answer each question. Show and explain your math. Then, make a diagram of the wall and the 2 posters and label the measurements.

1. How wide are the 2 posters together?

2. What unit of measurement will you have to use for the width of the wall? How wide is the wall in this unit of measurement?

3. How much space will there be between the posters and on either side, if they are spaced evenly?

4. How else could you space the posters on the wall? List the distances on either side and between them.

5. Draw a diagram of the wall showing how Mike arranged the posters. Label the measurements for the posters and the space on either side and between them.