5.12 Homework

Solve the problems using cross multiplication

1. \( \frac{3}{8} = \frac{f}{6} \)

2. \( \frac{9}{4} = \frac{1}{\frac{2}{3}} \)

3. A recipe for four people uses \( 2 \frac{1}{2} \) cups of flour.
   
   a) How much flour is required to serve 15 people?

   b) How many people will 8 cups of flour feed?

   c) How much flour is used per person?

   d) Model the proportional relationship with an equation
5.12 Homework

4. Beth jogged 2 \(\frac{1}{4}\) miles in \(\frac{3}{4}\) hour.

   a) At this rate, how many miles would she jog in \(2 \frac{1}{4}\) hours?

     b) How long would it take her to jog 5 miles?