

1. For the following problems, draw a picture using the rectangular fraction model and write the answer. Simplify your answer, if possible.

a.  $1\frac{1}{4} - \frac{1}{3} =$

b.  $1\frac{1}{5} - \frac{1}{3} =$

c.  $1\frac{3}{8} - \frac{1}{2} =$

d.  $1\frac{2}{5} - \frac{1}{2} =$

e.  $1\frac{2}{7} - \frac{1}{3} =$

f.  $1\frac{2}{3} - \frac{3}{5} =$

2. Jean-Luc jogged around the lake in  $1\frac{1}{4}$  hour. William jogged the same distance in  $\frac{5}{6}$  hour. How much longer did Jean-Luc take than William in hours?
3. Is it true that  $1\frac{2}{5} - \frac{3}{4} = \frac{1}{4} + \frac{2}{5}$ ? Prove your answer.