

Name _____ Date _____

1. Find the area of the following rectangles. Draw an area model if it helps you.

a. $\frac{8}{3} \text{ cm} \times \frac{24}{4} \text{ cm}$

b. $\frac{32}{5} \text{ ft} \times 3\frac{3}{8} \text{ ft}$

c. $5\frac{4}{6} \text{ in} \times 4\frac{3}{5} \text{ in}$

d. $\frac{5}{7} \text{ m} \times 6\frac{3}{5} \text{ m}$

2. Chris is making a tabletop from some leftover tiles. He has 9 tiles that measure $3\frac{1}{8}$ inches long and $2\frac{3}{4}$ inches wide. What is the greatest area he can cover with these tiles?

3. A hotel is recarpeting a section of the lobby. Carpet covers the part of the floor as shown below in gray. How many square feet of carpeting will be needed?

