Fractions of Groups

Find the product of each pair of fractions. Simplify your answers when possible.

a. What is \( \frac{1}{3} \) of \( \frac{1}{4} \)?
   \[ \frac{1}{3} \times \frac{1}{4} = \]

b. What is \( \frac{1}{3} \) of \( \frac{7}{8} \)?
   \[ \frac{1}{3} \times \frac{7}{8} = \]

c. What is \( \frac{3}{4} \) of \( \frac{3}{7} \)?
   \[ \frac{3}{4} \times \frac{3}{7} = \]

d. \( \frac{1}{2} \times \frac{2}{8} = \)


e. \( \frac{1}{3} \times \frac{2}{7} = \)

f. \( \frac{5}{5} \times \frac{1}{5} = \)

g. \( \frac{3}{9} \times \frac{3}{4} = \)

h. \( \frac{1}{4} \times \frac{1}{4} = \)

i. \( \frac{5}{10} \times \frac{6}{10} = \)

j. \( \frac{2}{12} \times \frac{1}{2} = \)

k. \( \frac{2}{6} \times \frac{1}{2} = \)

l. \( \frac{1}{4} \times \frac{4}{7} = \)

k. Jacob is baking chocolate chip cookies. The recipe uses \( \frac{3}{4} \) cup of sugar. Jacob wants to make one-half of a batch. How many cups of sugar does he need? 

m. In the fridge, Hannah had \( \frac{2}{3} \) of a quart of milk. She used half of this milk when she had breakfast cereal. How much milk did she use?
Fractions of Groups

Find the product of each pair of fractions. Simplify your answers when possible.

a. What is \( \frac{1}{3} \) of \( \frac{1}{4} \)?
   \[ \frac{1}{3} \times \frac{1}{4} = \frac{1}{12} \]

b. What is \( \frac{1}{3} \) of \( \frac{7}{8} \)?
   \[ \frac{1}{3} \times \frac{7}{8} = \frac{7}{24} \]

c. What is \( \frac{3}{4} \) of \( \frac{3}{7} \)?
   \[ \frac{3}{4} \times \frac{3}{7} = \frac{9}{28} \]

d. \( \frac{1}{2} \times \frac{2}{8} = \frac{2}{16} = \frac{1}{8} \)

e. \( \frac{1}{3} \times \frac{2}{7} = \frac{2}{21} \)

f. \( \frac{5}{5} \times \frac{1}{5} = \frac{5}{25} = \frac{1}{5} \)

g. \( \frac{3}{9} \times \frac{3}{4} = \frac{9}{36} = \frac{1}{4} \)

h. \( \frac{1}{4} \times \frac{1}{4} = \frac{1}{16} \)

i. \( \frac{5}{10} \times \frac{6}{10} = \frac{30}{100} = \frac{3}{10} \)

j. \( \frac{2}{12} \times \frac{1}{2} = \frac{2}{24} = \frac{1}{12} \)

k. \( \frac{2}{6} \times \frac{1}{2} = \frac{2}{12} = \frac{1}{6} \)

l. \( \frac{1}{4} \times \frac{4}{7} = \frac{4}{28} = \frac{1}{7} \)

k. Jacob is baking chocolate chip cookies. The recipe uses \( \frac{3}{4} \) cup of sugar. Jacob wants to make one-half of a batch. How many cups of sugar does he need? \( \frac{3}{8} \) of a cup

m. In the fridge, Hannah had \( \frac{2}{3} \) of a quart of milk. She used half of this milk when she had breakfast cereal. How much milk did she use? \( \frac{1}{3} \) of a quart