Name: _____

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 $\frac{3}{7}$?

$\frac{3}{4}$ **x** $\frac{3}{7} =$

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. $\frac{3}{9} \times \frac{3}{4} =$

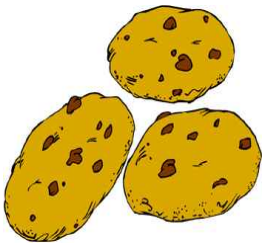
h. $\frac{1}{4} \times \frac{1}{4} =$

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? _____

ANSWER KEY

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. $\frac{3}{9} \times \frac{3}{4} = \frac{9}{36} = \frac{1}{4}$

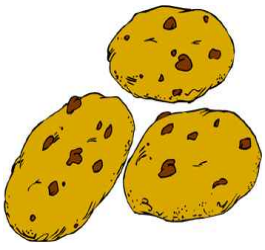
h. $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$

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**