Name: _____
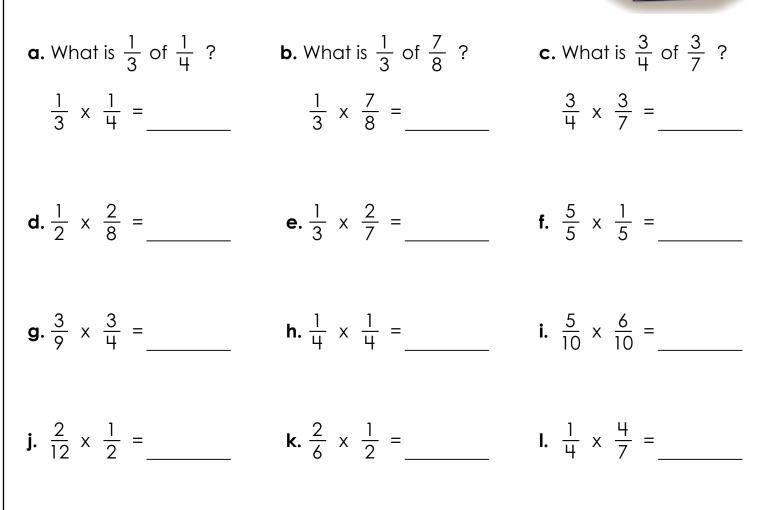
Fractions of Groups

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

a. What is $\frac{1}{3}$ of $\frac{1}{4}$?

$\frac{1}{3}$ x $\frac{1}{4}$ = _____

b. What is $\frac{1}{3}$ of $\frac{7}{8}$?

$\frac{1}{3}$ x $\frac{7}{8}$ = _____

c. What is $\frac{3}{4}$ of $\frac{3}{7}$?

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

d. $\frac{1}{2}$ x $\frac{2}{8}$ = _____

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

f. $\frac{5}{5}$ x $\frac{1}{5}$ = _____

g. $\frac{3}{9}$ x $\frac{3}{4}$ = _____

h. $\frac{1}{4}$ x $\frac{1}{4}$ = _____

i. $\frac{5}{10}$ x $\frac{6}{10}$ = _____

j. $\frac{2}{12}$ x $\frac{1}{2}$ = _____

k. $\frac{2}{6}$ x $\frac{1}{2}$ = _____

l. $\frac{1}{4}$ x $\frac{4}{7}$ = _____

m. 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?

_____

n. 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

Fractions of Groups

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

a. What is $\frac{1}{3}$ of $\frac{1}{4}$?

$\frac{1}{3} \times \frac{1}{4} = \underline{\frac{1}{12}}$

b. What is $\frac{1}{3}$ of $\frac{7}{8}$?

$\frac{1}{3} \times \frac{7}{8} = \underline{\frac{7}{24}}$

c. What is $\frac{3}{4}$ of $\frac{3}{7}$?

$\frac{3}{4} \times \frac{3}{7} = \underline{\frac{9}{28}}$

d. $\frac{1}{2} \times \frac{2}{8} = \underline{\frac{2}{16} = \frac{1}{8}}$

e. $\frac{1}{3} \times \frac{2}{7} = \underline{\frac{2}{21}}$

f. $\frac{5}{5} \times \frac{1}{5} = \underline{\frac{5}{25} = \frac{1}{5}}$

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

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

i. $\frac{5}{10} \times \frac{6}{10} = \underline{\frac{30}{100} = \frac{3}{10}}$

j. $\frac{2}{12} \times \frac{1}{2} = \underline{\frac{2}{24} = \frac{1}{12}}$

k. $\frac{2}{6} \times \frac{1}{2} = \underline{\frac{2}{12} = \frac{1}{6}}$

l. $\frac{1}{4} \times \frac{4}{7} = \underline{\frac{4}{28} = \frac{1}{7}}$

m. 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?

$\underline{\frac{3}{8} \text{ of a cup}}$

n. 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?

$\underline{\frac{1}{3} \text{ of a quart}}$

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