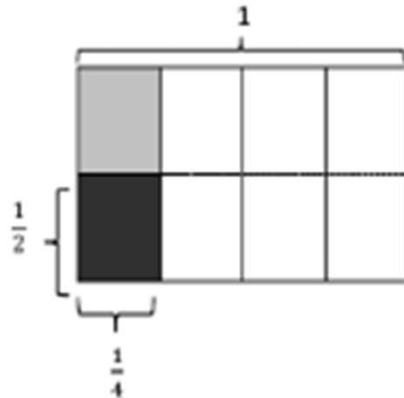# Multiply Fractions Worksheets

1. Solve. Draw a rectangular fraction model to show your thinking. Then, write a multiplication sentence. The first one has been done for you.

   a. Half of $\frac{1}{4}$ pan of brownies = $\frac{1}{8}$ pan of brownies.

      $$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$$

   b. Half of $\frac{1}{3}$ pan of brownies = _____ pan of brownies.

   c. A fourth of $\frac{1}{3}$ pan of brownies = _____ pan of brownies.
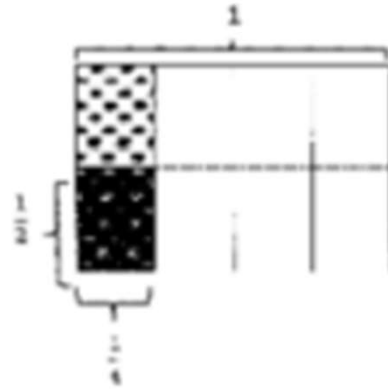
   d. $\frac{1}{4}$ of $\frac{1}{4}$

   e. $\frac{1}{2}$ of $\frac{1}{6}$
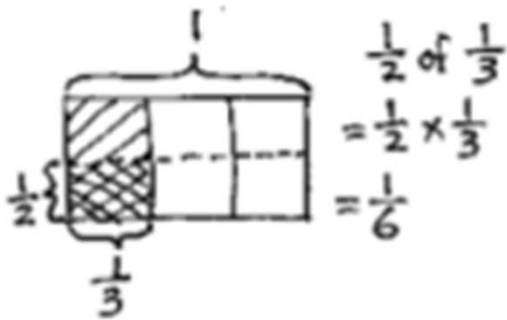
Multiply Fractions Worksheets

1. Solve. Draw a rectangular fraction model to show your thinking. Then, write a multiplication sentence. The first one has been done for you.

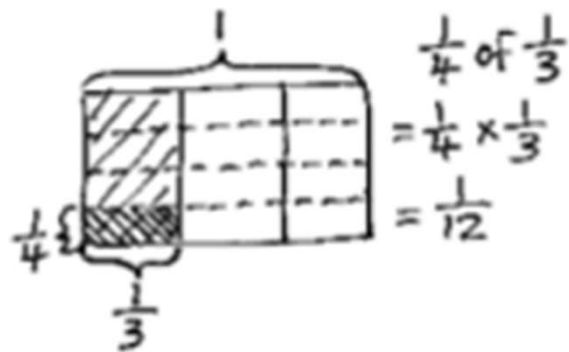a. Half of $\frac{1}{4}$ pan of brownies = ___$\frac{1}{8}$___ pan of brownies

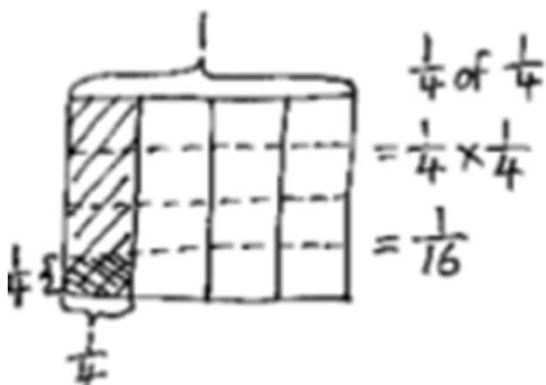$$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$$

b. Half of $\frac{1}{3}$ pan of brownies = ___$\frac{1}{6}$___ pan of brownies

$$\frac{1}{2} \text{ of } \frac{1}{3}$$
$$= \frac{1}{2} \times \frac{1}{3}$$
$$= \frac{1}{6}$$

c. A fourth of $\frac{1}{3}$ pan of brownies = ___$\frac{1}{12}$___ pan of brownies

$$\frac{1}{4} \text{ of } \frac{1}{3}$$
$$= \frac{1}{4} \times \frac{1}{3}$$
$$= \frac{1}{12}$$

d. $\frac{1}{4}$ of $\frac{1}{4} = \frac{1}{16}$

$$\frac{1}{4} \text{ of } \frac{1}{4}$$
$$= \frac{1}{4} \times \frac{1}{4}$$
$$= \frac{1}{16}$$

e. $\frac{1}{2}$ of $\frac{1}{6} = \frac{1}{12}$

$$\frac{1}{2} \text{ of } \frac{1}{6}$$
$$= \frac{1}{2} \times \frac{1}{6}$$
$$= \frac{1}{12}$$

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