

1. Compute $\frac{1}{4}$ of $\frac{2}{3}$ using pattern blocks with one hexagon representing 1. The final answer should be a number. (3 MP*)

2. For each of the following, indicate if the problem can be solved by calculating $\frac{1}{3} \times \frac{2}{3}$. (2 MP*)

Beckmann chapter 5.1 practice exercise 4

a. A recipe calls for $\frac{2}{3}$ cup of sugar. You want to make $\frac{1}{3}$ of a recipe. How much sugar would be needed?

b. Ed put $\frac{2}{3}$ of a bag of candies in a batch of cookies that he made. Ed ate $\frac{1}{3}$ of a batch of cookies. What fraction of a bag of candies did Ed eat?

c. Ed put $\frac{2}{3}$ of a bag of candies in a batch of cookies that he made. Ed ate $\frac{1}{3}$ of the batch of cookies. How many candies did Ed eat?

d. Two-thirds $\left(\frac{2}{3}\right)$ of the cars at a dealership have power steering. One-third $\left(\frac{1}{3}\right)$ of the cars at the same dealership have side-mounted airbags. What fraction of the cars at the dealership have both power steering and side-mounted airbags?