

Problem 2.2

A For parts (1)-(3):

- Estimate the answer.
- Draw a model or a diagram to find the exact answer.
- Write a number sentence.
 1. A recipe calls for $\frac{2}{3}$ of a 16-ounce bag of chocolate chips. How many ounces are needed?
 2. Mr. Flansburgh buys a $2\frac{1}{2}$ -pound block of cheese. His family eats $\frac{1}{3}$ of the block. How much cheese has Mr. Flansburgh's family eaten?
 3. Malik and Erin run the corn harvester for Mr. Avery. Malik and Erin harvest about $2\frac{1}{3}$ acres' worth of corn each day. They only have $10\frac{1}{2}$ days to harvest the corn. How many acres' worth of corn can they harvest for Mr. Avery?

B For each number sentence below, write a story problem and find the answer.

1. $\frac{5}{6} \times 1$
2. $\frac{3}{7} \times 2$
3. $\frac{1}{2} \times \frac{9}{3}$
4. $\frac{9}{10} \times \frac{10}{7}$

C Jacinta notices a pattern when she multiplies fractions. Her pattern is written below.

When you multiply with fractions, the product is less than each of the two factors.

Is Jacinta's pattern correct for the fractions you worked with in Questions A and B? Explain your reasoning.

D Describe a strategy for multiplying any two fractions.