

Multiplying Fractions with Models

- A. Use the fraction models to find and show each product. You must be able to explain your answer totally based on the model. No algorithms allowed!

$$2 \times \frac{1}{3}$$

$$3 \times \frac{1}{4}$$

$$3 \times \frac{1}{5}$$

- B. Use the models to show that using the commutative property of multiplication produces the same answer for the problems above.

- C. For each of the following problems, find the answer to the problem and then use the commutative property to show that it produces the same answer.

$$2 \times \frac{2}{3}$$

$$3 \times \frac{2}{5}$$

$$3 \times \frac{3}{4}$$

$$4 \times \frac{3}{4}$$

- D. For each of the following problems, find the answer to the problem and then use the commutative property to show that it produces the same answer.

$$\frac{1}{2} \times \frac{1}{2}$$

$$\frac{1}{3} \times \frac{1}{2}$$

$$\frac{1}{2} \times \frac{2}{3}$$

$$\frac{1}{2} \times \frac{3}{4}$$

$$\frac{2}{3} \times \frac{3}{4}$$

- E. For each of the following problems, find the answer to the problem and then use the commutative property to show that it produces the same answer.

$$1\frac{1}{2} \times \frac{1}{2}$$

$$1\frac{1}{2} \times 1\frac{1}{2}$$

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