

Stories About Multiplying Fractions

- 1 You already know about fact families in multiplication and division.

$$7 \times 9 = 63$$

$$9 \times 7 = 63$$

$$63 \div 7 = 9$$

$$63 \div 9 = 7$$

Use that knowledge to complete these related sentences.

$$\frac{3}{4} \times \frac{3}{5} = \square$$

$$\frac{3}{5} \times \frac{3}{4} = \square$$

$$\square \div \frac{3}{4} = \frac{3}{5}$$

$$\square \div \frac{3}{5} = \frac{3}{4}$$

- 2 Multiply and write the product in simplest form.

$$\frac{9}{20} \times \frac{4}{3} = \square \text{ or } \square$$

$$\frac{9}{20} \times \frac{5}{3} = \square \text{ or } \square$$

- 3 Compare using $<$, $=$, or $>$. (Hint: See Problem 1 & Problem 2.)

$$\frac{9}{20} \div \frac{3}{4} \bigcirc \frac{9}{20} \times \frac{4}{3}$$

$$\frac{9}{20} \div \frac{3}{5} \bigcirc \frac{9}{20} \times \frac{5}{3}$$

- 4 Multiply and write the product in simplest form.

$$\frac{3}{5} \times \frac{5}{3} = \square \text{ or } \square$$

$$\frac{4}{7} \times \frac{7}{4} = \square \text{ or } \square$$