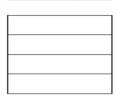
1. Draw an area model for each pair of fractions, and use it to compare the two fractions by writing >, <, or = on the line. The first two have been partially done for you. Each rectangle represents 1.

a. $\frac{1}{2}$ ___< $\frac{3}{5}$

 $\frac{5}{10} < \frac{6}{10}$ so $\frac{1}{2} < \frac{3}{5}$

 $\frac{1 \times 5}{2 \times 5} = \frac{5}{10} \qquad \frac{3 \times 2}{5 \times 2} = \frac{6}{10}$





d. $\frac{2}{7}$ _______ $\frac{3}{5}$

2. Rename the fractions, as needed, using multiplication in order to compare each pair of fractions by writing >, <, or =.

a.
$$\frac{2}{3}$$
 $\frac{2}{4}$

b.
$$\frac{4}{7}$$
 $\frac{1}{2}$

c.
$$\frac{5}{4}$$
 $\frac{9}{8}$

d.
$$\frac{8}{12}$$
 $\frac{5}{8}$

3. Use any method to compare the fractions. Record your answer using >, <, or =.

a.
$$\frac{8}{9}$$
 $\frac{2}{3}$

b.
$$\frac{4}{7}$$
 $\frac{4}{5}$

c.
$$\frac{3}{2}$$
 $\frac{9}{6}$

d.
$$\frac{11}{7}$$
 $\frac{5}{3}$

4. Explain which method you prefer using to compare fractions. Provide an example using words, pictures, or numbers.

Answer Key

- a. Area models prove $\frac{1}{2} < \frac{3}{5}$
 - b. Area models prove $\frac{2}{3} < \frac{3}{4}$
 - c. Area models prove $\frac{4}{6} > \frac{5}{8}$
 - d. Area models prove $\frac{2}{7} < \frac{3}{5}$
 - e. Area models prove $\frac{4}{6} = \frac{6}{9}$
 - Area models prove $\frac{4}{5} < \frac{10}{12}$
- 2. a.

 - c. >
 - d. >

- 3. a. >
 - b. <
 - c. =
 - d. <
- 4. Explanations will vary.