



## Find the Greater Fraction page 1 of 2

**1** Find the least common multiple for each pair of numbers. Show all your work.

**ex** 3 and 5

3: 3, 6, 9, 12, **15**, 18

5: 5, 10, **15**, 20

The LCM is 15.

**a** 4 and 6

**b** 3 and 7

**c** 5 and 8

**d** 6 and 9

**2** Use the least common multiple to find equivalent fractions for each fraction pair. Then, use the symbol  $<$  or  $>$  to show the bigger fraction.

**ex**  $\frac{3}{4}$  and  $\frac{4}{6}$

**a**  $\frac{5}{8}$  and  $\frac{2}{3}$

$\frac{4}{6}$  4, 8, **12**, 16  
6, **12**, 18, 24

$$\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12} \quad \frac{4}{6} = \frac{4 \times 2}{6 \times 2} = \frac{8}{12}$$

$$\frac{9}{12} > \frac{8}{12} \quad \text{so} \quad \frac{3}{4} > \frac{4}{6}$$

**b**  $\frac{1}{6}$  and  $\frac{2}{9}$

**c**  $\frac{7}{12}$  and  $\frac{5}{8}$

(continued on next page)

**Find the Greater Fraction** page 2 of 2

Solve the story problems below. Show your work using numbers, sketches, or words.

**3** Matthew read  $\frac{2}{3}$  of a book. Craig read  $\frac{4}{5}$  of the same book. Who read more? How much more?

**4** Carlos had two extra sandwiches. They were exactly the same size. He gave  $\frac{7}{9}$  of the first sandwich to his friend Ben and  $\frac{4}{6}$  of the second sandwich to his friend Corey.

**a** Whose piece is bigger, Corey's or Ben's?

**b** **CHALLENGE** If Carlos ate the remaining pieces of the two sandwiches, did he get more or less than Corey? Did he get more or less than Ben?