Name _____ Date _____

Comparing Fractions with Unlike Denominators: Common Denominators and Benchmarks

Directions: Unless a question says otherwise, both fractions refer to the same whole. Follow each question's directions to rename fractions, compare their values, or decide whether there is enough information to compare amounts.

1. Rename 1/3 as twelfths. Then choose <, = or > to compare the two fractions.

Word bank

= • < • >

1/3 _____ 5/12

2. To compare 5/6 and 3/4, Hugo writes both fractions as twelfths. He knows that 3/4 = 9/12. How many twelfths equal 5/6?

_____ twelfths

3. Which fraction is greater than 1/2?

A. 7/12 B. 4/10 C. 3/8 D. 2/6

4. Rename 2/3 so that both fractions have the numerator 4. Which sign completes the comparison?

Word bank

> • = • <

4/5 _____ 2/3

5. Which sentence correctly compares 5/4 and 9/10?

A. 9/10 is greater, because 9 is greater than 5.

B. 9/10 is greater, because 10 is greater than 4.

C. They are equal, because each is 1 part away from 1 whole.

D. 5/4 is greater, because it is more than 1 whole and 9/10 is less than 1 whole.

6. Write 1/4 as twelfths before you compare. Select the sign that fits.

Word bank

< • > • =

1/4 _____ 3/12

7. Farah drinks 7/8 of a small bottle of water. Gus drinks 2/5 of a large bottle of water. Who drinks more water?

A. They drink the same amount, because both drink part of one bottle.

B. You cannot tell without knowing how much each bottle holds.

C. Farah, because 7/8 is greater than 2/5.

D. Gus, because his bottle is larger.

8. Noor walks 2/8 mile to the park and then 3/8 mile more to the library. Elena walks 3/4 mile. Who walks farther?

A. They walk the same distance, because each person walks less than 1 mile.

B. Noor, because 5 is greater than 3

C. Elena, because $6/8 > 5/8$