

Name \_\_\_\_\_

## Common Denominators and Equivalent Fractions



**COMMON CORE STANDARD—5.NF.A.1**  
Use equivalent fractions as a strategy to add and subtract fractions.

Use a common denominator to write an equivalent fraction for each fraction.

1.  $\frac{1}{5}, \frac{1}{2}$  common denominator: 10

2.  $\frac{1}{4}, \frac{2}{3}$  common denominator: \_\_\_\_\_

3.  $\frac{5}{6}, \frac{1}{3}$  common denominator: \_\_\_\_\_

**Think:** 10 is a multiple of 5 and 2.  
Find equivalent fractions with a denominator of 10.

$\frac{2}{10}, \frac{5}{10}$

4.  $\frac{3}{5}, \frac{1}{3}$  common denominator: \_\_\_\_\_

5.  $\frac{1}{2}, \frac{3}{8}$  common denominator: \_\_\_\_\_

6.  $\frac{1}{6}, \frac{1}{4}$  common denominator: \_\_\_\_\_

Use the least common denominator to write an equivalent fraction for each fraction.

7.  $\frac{5}{6}, \frac{2}{9}$

8.  $\frac{1}{12}, \frac{3}{8}$

9.  $\frac{5}{9}, \frac{2}{15}$

### Problem Solving



10. Ella spends  $\frac{2}{3}$  hour practicing the piano each day. She also spends  $\frac{1}{2}$  hour jogging. What is the least common denominator of the fractions?

11. In a science experiment, a plant grew  $\frac{3}{4}$  inch one week and  $\frac{1}{2}$  inch the next week. Use a common denominator to write an equivalent fraction for each fraction.

12. **WRITE** *Math* Describe how you would rewrite the fractions  $\frac{1}{6}$  and  $\frac{1}{4}$  with their least common denominator.

## Lesson Check (5.NF.A.1)

1. Name a pair of fractions that use the least common denominator and are equivalent to  $\frac{9}{10}$  and  $\frac{5}{6}$ .
2. Joseph says that there is  $\frac{5}{8}$  of a ham sandwich left and  $\frac{1}{2}$  of a turkey sandwich left. What is NOT a pair of equivalent fractions for  $\frac{5}{8}$  and  $\frac{1}{2}$ ?

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## Spiral Review (5.OA.A.1, 5.NBT.A.3b, 5.NTB.B.6, 5.NTB.B.6)

3. Matthew had the following times in two races: 3.032 minutes and 3.023 minutes. Use  $>$ ,  $<$ , or  $=$  to make the sentence true.
4. Olivia's class collected 3,591 bottle caps in 57 days. The same number of bottle caps were collected each day. How many bottle caps did the class collect per day?

$$3.032 \bigcirc 3.023$$

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5. Elizabeth multiplied 0.63 by 1.8. What is the correct product?
6. What is the value of  $(17 + 8) - 6 \times 2$ ?

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