

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

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### 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.

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

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