

Name _____

Common Denominators and Equivalent Fractions

COMMON CORE STANDARD CC.5.NF.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.

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.

Lesson Check (CC.5.NF.1)

- Which fractions use the least common denominator and are equivalent to $\frac{9}{10}$ and $\frac{5}{6}$?
 - $\frac{54}{60}$ and $\frac{45}{60}$
 - $\frac{27}{30}$ and $\frac{25}{30}$
 - $\frac{29}{30}$ and $\frac{15}{30}$
 - $\frac{9}{16}$ and $\frac{5}{16}$
- Joseph says that there is $\frac{5}{8}$ of a pumpkin pie left and $\frac{1}{2}$ of a peach pie left. Which is NOT a pair of equivalent fractions for $\frac{5}{8}$ and $\frac{1}{2}$?
 - $\frac{5}{8}$ and $\frac{4}{8}$
 - $\frac{10}{16}$ and $\frac{8}{16}$
 - $\frac{15}{24}$ and $\frac{8}{24}$
 - $\frac{50}{80}$ and $\frac{40}{80}$

Spiral Review (CC.5.OA.1, CC.5.NBT.3b, CC.5.NBT.6, CC.5.NBT.7)

- Matthew had the following times in two races: 3.032 minutes and 3.023 minutes. Which sentence about these two numbers is true? (Lesson 3.3)
 - $3.032 > 3.023$
 - $3.032 = 3.023$
 - $3.032 < 3.023$
 - $3.023 > 3.023$
- Olivia's class collected 3,591 bottle caps in 57 days. On average, how many bottle caps did the class collect per day? (Lesson 2.6)
 - 57
 - 62
 - 63
 - 64
- Elizabeth multiplied 0.63 by 1.8. Which is the correct product? (Lesson 4.7)
 - 0.567
 - 0.654
 - 1.114
 - 1.134
- What is the value of $(17 + 8) - 6 \times 2$? (Lesson 1.11)
 - 13
 - 21
 - 37
 - 38