Name _____   Date _____

Fractions
Skill 5 - 11C

Least Common Denominator

Find equivalent fractions using the LCD for $\frac{2}{3}$ and $\frac{3}{5}$.

Step 1	Step 2
Find the least common multiple of the denominators.	Use the LCD to write equivalent fractions.
Multiples of 3 are 3, 6, 9, 12, 15, 18, 21, …	
Multiples of 5 are 5, 10, 15, 20, 25, 30 …	$\frac{2}{3} = \frac{2 \times 5}{3 \times 5} = \frac{10}{15} \leftarrow$ LCD
The least common denominator of $\frac{2}{3}$ and $\frac{3}{5}$ is 15.	$\frac{3}{5} = \frac{3 \times 3}{5 \times 3} = \frac{9}{15} \leftarrow$ LCD

You can see that $\frac{10}{15}$ and $\frac{9}{15}$ are equivalent fractions of $\frac{2}{3}$ and $\frac{3}{5}$.

Use the LCD to write equivalent fractions.

1. $\frac{1}{4}$ and $\frac{2}{5}$

2. $\frac{3}{4}$ and $\frac{5}{8}$

3. $\frac{1}{4}$ and $\frac{1}{6}$

4. $\frac{1}{3}$ and $\frac{1}{5}$

5. $\frac{2}{3}$ and $\frac{3}{9}$

6. $\frac{3}{4}$ and $\frac{2}{3}$

Fractions
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Use the LCD to write equivalent fractions.

7. $\dfrac{2}{5}$ and $\dfrac{1}{6}$

8. $\dfrac{1}{3}$ and $\dfrac{2}{5}$

9. $\dfrac{1}{5}$ and $\dfrac{2}{3}$

10. $\dfrac{4}{5}$ and $\dfrac{3}{4}$

11. $\dfrac{6}{10}$ and $\dfrac{2}{5}$

12. $\dfrac{2}{3}$ and $\dfrac{1}{9}$

13. $\dfrac{3}{4}$ and $\dfrac{3}{12}$

14. $\dfrac{1}{3}$ and $\dfrac{1}{2}$

15. $\dfrac{7}{8}$ and $\dfrac{3}{4}$

16. $\dfrac{4}{7}$ and $\dfrac{3}{6}$

Answers grade 5 11C practice sheet.

1. $\frac{5}{20}$ and $\frac{8}{20}$ **2.** $\frac{6}{8}$ and $\frac{5}{8}$ **3.** $\frac{3}{12}$ and $\frac{2}{12}$ **4.** $\frac{5}{15}$ and $\frac{3}{15}$ **5.** $\frac{6}{9}$ and $\frac{3}{9}$

6. $\frac{9}{12}$ and $\frac{8}{12}$ **7.** $\frac{12}{30}$ and $\frac{5}{30}$ **8.** $\frac{5}{15}$ and $\frac{6}{15}$ **9.** $\frac{3}{15}$ and $\frac{10}{15}$ **10.** $\frac{16}{20}$ and $\frac{15}{20}$

11. $\frac{6}{10}$ and $\frac{4}{10}$ **12.** $\frac{6}{9}$ and $\frac{1}{9}$ **13.** $\frac{9}{12}$ and $\frac{3}{12}$ **14.** $\frac{4}{12}$ and $\frac{6}{12}$ **15.** $\frac{7}{8}$ and $\frac{6}{8}$

16. $\frac{24}{42}$ and $\frac{18}{42}$