

## Fractions: Skill 5 - 12D

**Subtract Unlike Fractions Using the Least Common Denominator**

Subtract fractions with unlike denominators using the LCD.

Test question 12D Subtract  $\frac{2}{3} - \frac{1}{2}$  Write answer in simplest form.

Step 1	Step 2
Find the LCM (least common multiple) of the denominators, 3 and 2.  <b>3:</b> 3, 6, 9, ... <b>2:</b> 2, 4, 6, 8, ... The LCM is 6.	Rename the fractions using the LCD 6. (the LCD is the LCM of the denominators)  $\frac{2}{3} \times \frac{2}{2} = \frac{4}{6}$ $\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$

Step 3	Step 4
Subtract.  $\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$	Simplify.  $\frac{1}{6}$ is in simplest form.

**Directions:** Subtract. Write the answer in simplest form.

1.  $\frac{1}{2} - \frac{1}{4}$

2.  $\frac{5}{6} - \frac{1}{3}$

3.  $\frac{3}{4} - \frac{3}{8}$

4.  $\frac{2}{3} - \frac{2}{4}$

5.  $\frac{6}{8} - \frac{1}{2}$

6.  $\frac{5}{6} - \frac{2}{3}$

## Fractions: Skill 5 - 12D

**Subtract Fractions Using the Least Common Denominator****Directions:** Subtract. Write the answer in simplest form.

7.  $\frac{3}{4} - \frac{2}{3}$

8.  $\frac{4}{5} - \frac{2}{4}$

9.  $\frac{4}{6} - \frac{1}{2}$

10.  $\frac{6}{12} - \frac{1}{6}$

11.  $\frac{5}{8} - \frac{1}{4}$

12.  $\frac{4}{8} - \frac{1}{4}$

13.  $\frac{4}{5} - \frac{2}{10}$

14.  $\frac{3}{4} - \frac{1}{2}$

15.  $\frac{3}{6} - \frac{1}{3}$

16.  $\frac{2}{4} - \frac{2}{8}$

17.  $\frac{4}{10} - \frac{1}{5}$

18.  $\frac{4}{6} - \frac{1}{2}$

19.  $\frac{2}{3} - \frac{1}{12}$

20.  $\frac{3}{6} - \frac{1}{12}$

21.  $\frac{2}{3} - \frac{1}{6}$

22.  $\frac{6}{10} - \frac{1}{2}$

23.  $\frac{3}{6} - \frac{1}{12}$

24.  $\frac{6}{12} - \frac{1}{4}$

Answers: Skill 12D, Grade 5

1.  $\frac{1}{4}$

2.  $\frac{3}{6}$  or  $\frac{1}{3}$

3.  $\frac{3}{8}$

4.  $\frac{2}{12}$  or  $\frac{1}{6}$

5.  $\frac{2}{8}$  or  $\frac{1}{4}$

6.  $\frac{1}{6}$

7.  $\frac{1}{12}$

8.  $\frac{6}{20}$  or  $\frac{3}{10}$

9.  $\frac{1}{6}$

10.  $\frac{4}{12}$  or  $\frac{1}{3}$

11.  $\frac{3}{8}$

12.  $\frac{2}{8}$  or  $\frac{1}{4}$

13.  $\frac{6}{10}$  or  $\frac{3}{5}$

14.  $\frac{1}{4}$

15.  $\frac{1}{6}$

16.  $\frac{2}{8}$  or  $\frac{1}{4}$

17.  $\frac{2}{10}$  or  $\frac{1}{5}$

18.  $\frac{1}{6}$

19.  $\frac{7}{12}$

20.  $\frac{5}{12}$

21.  $\frac{5}{6}$