

## Fractions: Skill 5 - 12C

Add fractions with unlike denominators using the LCD.

Test question 12C Add  $\frac{2}{4} + \frac{1}{3}$  Write the answer in simplest form.

Step 1	Step 2
Find the LCM (least common multiple) of the denominators, 4 and 3.  4: 4, 8, <b>12</b> , 16, 20, ... 3: 3, 6, 9, <b>12</b> , 15, 18, ... The LCM is 12.	Rename the fractions using the LCD 12. (the LCD is the LCM of the denominators)  $\frac{2}{4} \times \frac{3}{3} = \frac{6}{12}$ $\frac{1}{3} \times \frac{4}{4} = \frac{4}{12}$
Step 3	Step 4
Add.  $\frac{6}{12} + \frac{4}{12} = \frac{10}{12}$	Simplify.  $\frac{10}{12} = \frac{5}{6}$

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

1.  $\frac{2}{4} + \frac{2}{8}$

2.  $\frac{1}{2} + \frac{2}{8}$

3.  $\frac{1}{4} + \frac{1}{3}$

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

5.  $\frac{1}{6} + \frac{1}{4}$

6.  $\frac{2}{10} + \frac{2}{5}$

## Fractions: Skill 5 - 12C

## Add Unlike Fractions Using the Least Common Denominator

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

7.  $\frac{2}{3} + \frac{2}{12}$

8.  $\frac{1}{2} + \frac{1}{3}$

9.  $\frac{1}{8} + \frac{2}{4}$

10.  $\frac{3}{8} + \frac{2}{4}$

11.  $\frac{1}{6} + \frac{1}{2}$

12.  $\frac{3}{12} + \frac{1}{6}$

13.  $\frac{3}{10} + \frac{1}{2}$

14.  $\frac{3}{9} + \frac{1}{3}$

15.  $\frac{1}{3} + \frac{2}{4}$

16.  $\frac{2}{4} + \frac{3}{8}$

17.  $\frac{2}{6} + \frac{1}{3}$

18.  $\frac{1}{4} + \frac{1}{3}$

19.  $\frac{2}{3} + \frac{3}{12}$

20.  $\frac{5}{16} + \frac{2}{8}$

21.  $\frac{3}{5} + \frac{3}{15}$

22.  $\frac{2}{3} + \frac{1}{9}$

23.  $\frac{2}{5} + \frac{3}{10}$

24.  $\frac{3}{12} + \frac{1}{3}$

Answers: Skill 12C, Grade 5

1.  $\frac{6}{8}$  or  $\frac{3}{4}$

2.  $\frac{6}{8}$  or  $\frac{3}{4}$

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

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

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

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

7.  $\frac{10}{12}$  or  $\frac{5}{6}$

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

9.  $\frac{5}{8}$

10.  $\frac{7}{8}$

11.  $\frac{4}{6}$  or  $\frac{2}{3}$

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

13.  $\frac{8}{10}$  or  $\frac{4}{5}$

14.  $\frac{6}{9}$  or  $\frac{2}{3}$

15.  $\frac{10}{12}$  or  $\frac{5}{6}$

16.  $\frac{7}{8}$

17.  $\frac{4}{6}$  or  $\frac{2}{3}$

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

19.  $\frac{11}{12}$

20.  $\frac{9}{16}$

21.  $\frac{12}{15}$  or  $\frac{4}{5}$

22.  $\frac{7}{9}$

23.  $\frac{7}{10}$

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