



# Add/Subtract Fractions

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 When adding fractions with like denominators, simply add the numerators and put the sum over the same denominator, for example,  $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$ .

What is the **sum** of  $\frac{2}{6} + \frac{3}{6}$ ?

- A  $\frac{5}{12}$
- B 5
- C  $\frac{5}{6}$
- D 6

3 When subtracting, fractions must have like denominators. If the denominators are different, calculate **equivalent** fractions and then subtract.

How would you solve  $\frac{7}{8} - \frac{1}{4}$ ?

- A  $\frac{7}{8} - \frac{1}{4} = \frac{6}{8}$
- C  $\frac{7}{8} - \frac{1}{4} = \frac{6}{4}$

2 When the fractions have unlike denominators, begin by calculating equivalent fractions so the denominators are the same. For instance,  $\frac{5}{8} + \frac{1}{4} = \frac{5}{8} + \frac{2}{8} = \frac{7}{8}$  because  $\frac{2}{8} = \frac{1}{4}$ .

How would you solve  $\frac{4}{9} + \frac{1}{3}$ ?

- A  $\frac{4}{9} + \frac{1}{3} = \frac{4}{9} + \frac{3}{9} = \frac{5}{9}$
- C  $\frac{4}{9} + \frac{1}{3} = \frac{5}{9}$
- B  $\frac{4}{9} + \frac{1}{3} = \frac{5}{12}$
- D  $\frac{4}{9} + \frac{1}{3} = \frac{4}{3} + \frac{1}{3}$

4 To solve the problem  $\frac{7}{15} + \frac{1}{3}$ , change  $\frac{1}{3}$  to  $\frac{5}{15}$  and then add.

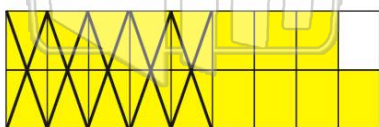
- A **TRUE**
- B **FALSE**



## PREVIEW

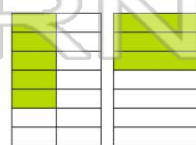
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9  $\frac{17}{18} - \frac{5}{9} = ?$



- A  $\frac{12}{18}$
- B  $\frac{12}{9}$
- C  $\frac{9}{12}$
- D  $\frac{7}{18}$

10  $\frac{5}{14} + \frac{3}{7} = ?$



- A  $\frac{11}{14}$
- B  $\frac{8}{14}$
- C  $\frac{2}{7}$
- D  $\frac{10}{14}$



## ANSWER KEY

When adding fractions with like denominators, simply add the numerators and put the sum over the same denominator, for example,  $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$ .

What is the **sum** of  $\frac{2}{6} + \frac{3}{6}$  ?

- A  $\frac{5}{12}$     B 5    C  $\frac{5}{6}$     D 6

When subtracting, fractions must have like denominators. If the denominators are different, calculate **equivalent** fractions and then subtract.

How would you solve  $\frac{7}{8} - \frac{1}{4}$  ?

- A  $\frac{7}{8} - \frac{1}{4} = \frac{6}{8}$     C  $\frac{7}{8} - \frac{1}{4} = \frac{6}{4}$   
 B  $\frac{7}{7} - \frac{1}{7} = \frac{2}{7}$     D  $\frac{7}{7} - \frac{1}{7} = \frac{1}{7}$

When the fractions have unlike denominators, begin by calculating equivalent fractions so the denominators are the same. For instance,  $\frac{5}{8} + \frac{1}{4} = \frac{5}{8} + \frac{2}{8} = \frac{7}{8}$  because  $\frac{2}{8} = \frac{1}{4}$ .

How would you solve  $\frac{4}{9} + \frac{1}{3}$  ?

- A  $\frac{4}{9} + \frac{1}{3} = \frac{4}{9} + \frac{3}{9} = \frac{5}{9}$     C  $\frac{4}{9} + \frac{1}{3} = \frac{5}{9}$   
 B  $\frac{4}{9} + \frac{1}{3} = \frac{5}{12}$     D  $\frac{4}{9} + \frac{1}{3} = \frac{4}{3} + \frac{1}{3}$

To solve the problem  $\frac{7}{15} + \frac{1}{3}$ , change  $\frac{1}{3}$  to  $\frac{5}{15}$  and then add.

- A **TRUE**    B **FALSE**

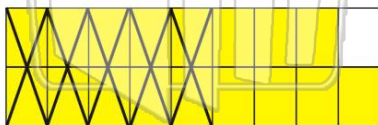


## PREVIEW

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- A  $\frac{5}{10}$     B  $\frac{4}{10}$     C  $\frac{1}{10}$     D  $\frac{2}{10}$

$$\frac{17}{18} - \frac{5}{9} = ?$$



- A  $\frac{12}{18}$     B  $\frac{12}{9}$     C  $\frac{9}{12}$     D  $\frac{7}{18}$

- A  $\frac{8}{16}$     B  $\frac{11}{16}$     C  $\frac{8}{12}$     D  $\frac{14}{16}$

$$\frac{5}{14} + \frac{3}{7} = ?$$



- A  $\frac{11}{14}$     B  $\frac{8}{14}$     C  $\frac{2}{7}$     D  $\frac{10}{14}$