

Name: Class:

Add and subtract 3 or more fractions with unlike denominators

Add and subtract the following. (Write your answer as fraction or as mixed number)



a. $\frac{3}{14} + \frac{1}{7} + \frac{5}{7}$

d. $\frac{12}{16} - \frac{1}{2} - \frac{1}{8}$

b. $\frac{2}{12} + \frac{3}{8} + \frac{1}{3}$

e. $\frac{5}{8} - \frac{1}{6} - \frac{1}{4}$

c. $\frac{2}{5} + \frac{4}{10} + \frac{1}{5}$

f. $\frac{1}{2} + \frac{1}{16} + \frac{3}{4} + \frac{1}{2}$

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Add and subtract 3 or more fractions with unlike denominators

Add and subtract the following. (Write your answer as fraction or as mixed number)



$$\text{a. } \frac{3}{14} + \frac{1}{7} + \frac{5}{7} = \frac{3 + 2 + 10}{14}$$

$$= \frac{15}{14} = 1\frac{1}{14}$$

$$\text{So, } \frac{3}{14} + \frac{1}{7} + \frac{5}{7} = 1\frac{1}{14}$$

$$\text{d. } \frac{12}{16} - \frac{1}{2} - \frac{1}{8}$$

$$= \frac{12 - 8 - 2}{16} = \frac{2}{16} = \frac{1}{8}$$

$$\text{So, } \frac{12}{16} - \frac{1}{2} - \frac{1}{8} = \frac{1}{8}$$

$$\text{b. } \frac{2}{12} + \frac{3}{8} + \frac{1}{3} = \frac{4 + 9 + 8}{24}$$

$$= \frac{21}{24} = \frac{7}{8}$$

$$\text{So, } \frac{2}{12} + \frac{3}{8} + \frac{1}{3} = \frac{7}{8}$$

$$\text{e. } \frac{5}{8} - \frac{1}{6} - \frac{1}{4} = \frac{15 - 4 - 6}{24}$$

$$= \frac{5}{24}$$

$$\text{So, } \frac{5}{8} - \frac{1}{6} - \frac{1}{4} = \frac{5}{24}$$

$$\text{c. } \frac{2}{5} + \frac{4}{10} + \frac{1}{5} = \frac{4 + 4 + 2}{10}$$

$$= \frac{10}{10} = 1$$

$$\text{So, } \frac{2}{5} + \frac{4}{10} + \frac{1}{5} = 1$$

$$\text{f. } \frac{1}{2} + \frac{1}{16} + \frac{3}{4} + \frac{1}{2} = \frac{8 + 1 + 12 + 8}{16}$$

$$= \frac{29}{16} = 1\frac{13}{16}$$

$$\text{So, } \frac{1}{2} + \frac{1}{16} + \frac{3}{4} + \frac{1}{2} = 1\frac{13}{16}$$