

Name: Class:

Add and subtract fractions with unlike denominators

Add and subtract the following.

a. $\frac{5}{6} + \frac{1}{3}$

i. $\frac{4}{4} + \frac{8}{9}$

b. $\frac{7}{12} + \frac{5}{6}$

j. $\frac{5}{10} + \frac{5}{11}$

c. $\frac{1}{2} + \frac{3}{16}$

k. $\frac{3}{9} + \frac{7}{18}$

d. $\frac{25}{36} - \frac{12}{18}$

l. $\frac{20}{42} - \frac{23}{20}$

e. $\frac{1}{2} - \frac{3}{8}$

m. $\frac{5}{3} - \frac{7}{5}$

f. $\frac{1}{18} + \frac{1}{2}$

n. $\frac{6}{17} + \frac{6}{8}$

g. $\frac{1}{15} + \frac{1}{7}$

o. $\frac{2}{12} + \frac{2}{4}$

h. $\frac{2}{14} + \frac{4}{12}$

p. $\frac{7}{10} + \frac{3}{14}$

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Add and subtract fractions with unlike denominators

Add and subtract the following.

a. $\frac{5}{6} + \frac{1}{3}$ Start by finding the L.C.M

$$\frac{5}{6} + \frac{1}{3} = \frac{5 + 2}{6}$$

$$= \frac{7}{6} = 1 \frac{1}{6}$$

So, $\frac{5}{6} + \frac{1}{3} = 1 \frac{1}{6}$

d. $\frac{25}{36} - \frac{12}{18}$ Start by finding the L.C.M

$$\frac{25}{36} - \frac{12}{18} = \frac{25 - 24}{36}$$

$$= \frac{1}{36}$$

So, $\frac{25}{36} - \frac{12}{18} = \frac{1}{36}$

b. $\frac{7}{12} + \frac{5}{6}$

$$\frac{7}{12} + \frac{5}{6} = \frac{7 + 10}{12}$$

$$= \frac{17}{12} = 1 \frac{5}{12}$$

So, $\frac{7}{12} + \frac{5}{6} = 1 \frac{5}{12}$

e. $\frac{1}{2} - \frac{3}{8}$

$$\frac{1}{2} - \frac{3}{8} = \frac{4 - 3}{8}$$

$$= \frac{1}{8}$$

So, $\frac{1}{2} - \frac{3}{8} = \frac{1}{8}$

c. $\frac{1}{2} + \frac{3}{16}$

$$\frac{1}{2} + \frac{3}{16} = \frac{8 + 3}{16}$$

$$= \frac{11}{16}$$

So, $\frac{1}{2} + \frac{3}{16} = \frac{11}{16}$

f. $\frac{1}{18} + \frac{1}{2}$

$$\frac{1}{18} + \frac{1}{2} = \frac{1 + 9}{18}$$

$$= \frac{10}{18} = \frac{5}{9}$$

So, $\frac{1}{18} + \frac{1}{2} = \frac{5}{9}$