Name: .... Class: ....

Add and subtract fractions with unlike denominators

Add and subtract the following.

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

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

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

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

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

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

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Add and subtract fractions with unlike denominators

Add and subtract the following.

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

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

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

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

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

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

$= \dfrac{1}{36}$

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

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

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

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

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

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

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

$= \dfrac{1}{8}$

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

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

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

$= \dfrac{11}{16}$

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

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

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

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

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