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

How to subtract fractions with unlike denominator

Subtract the following fractions. simplify your answer.

a. $\dfrac{7}{10} - \dfrac{2}{9}$

d. $\dfrac{1}{2} - \dfrac{3}{15}$

b. $\dfrac{7}{20} - \dfrac{2}{10}$

e. $\dfrac{5}{7} + \dfrac{2}{3}$

c. $\dfrac{4}{5} - \dfrac{5}{9}$

f. $\dfrac{3}{4} - \dfrac{9}{16}$

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How to subtract fractions with unlike denominator

Subtract the following fractions. simplify your answer.

a. $\dfrac{7}{10} - \dfrac{2}{9}$

Let's find the L.C.M and then evaluate.

$$\dfrac{7}{10} - \dfrac{2}{9}$$

$$\dfrac{63 - 20}{90} = \dfrac{43}{90}$$

So, $\dfrac{7}{10} - \dfrac{2}{9} = \dfrac{43}{90}$

b. $\dfrac{7}{20} - \dfrac{2}{10}$

Let's find the L.C.M and then evaluate.

$$\dfrac{7}{20} - \dfrac{2}{10}$$

$$\dfrac{7 - 4}{20} = \dfrac{3}{20}$$

So, $\dfrac{7}{20} - \dfrac{2}{10} = \dfrac{3}{20}$

c. $\dfrac{4}{5} - \dfrac{5}{9}$

Let's find the L.C.M and then evaluate.

$$\dfrac{4}{5} - \dfrac{5}{9}$$

$$\dfrac{36 - 25}{45} = \dfrac{11}{45}$$

So, $\dfrac{4}{5} - \dfrac{5}{9} = \dfrac{11}{45}$

d. $\dfrac{1}{2} - \dfrac{3}{15}$

Let's find the L.C.M and then evaluate.

$$\dfrac{1}{2} - \dfrac{3}{15}$$

$$\dfrac{15 - 6}{30} = \dfrac{9}{30}$$

Now, let's simplify,

$$\dfrac{9}{30} = \dfrac{3 \times 3}{3 \times 10} = \dfrac{3}{10}$$

So, $\dfrac{1}{2} - \dfrac{3}{15} = \dfrac{3}{10}$

e. $\dfrac{5}{7} + \dfrac{2}{3}$

Let's find the L.C.M and then evaluate.

$$\dfrac{5}{7} - \dfrac{2}{3}$$

$$\dfrac{15 - 14}{21} = \dfrac{1}{21}$$

So, $\dfrac{5}{7} - \dfrac{2}{3} = \dfrac{1}{21}$

f. $\dfrac{3}{4} - \dfrac{9}{16}$

Let's find the L.C.M and then evaluate.

$$\dfrac{3}{4} - \dfrac{9}{16}$$

$$\dfrac{12 - 9}{16} = \dfrac{3}{16}$$

So, $\dfrac{3}{4} - \dfrac{9}{16} = \dfrac{3}{16}$