mathskills4kids

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

How to add fractions with unlike denominators

Add the following fractions. Simplify your answer.

a. $\frac{6}{12} + \frac{1}{4}$

b. $\frac{6}{7} + \frac{4}{5}$

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

d. $\frac{7}{20} + \frac{2}{5}$

e. $\frac{5}{8} + \frac{3}{4}$

f. $\frac{7}{10} + \frac{5}{9}$

Solution

mathskills4kids

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

How to add fractions with unlike denominators

Add the following fractions. Simplify your answer.

a. $\frac{6}{12} + \frac{1}{4}$

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

$\frac{6}{12} + \frac{1}{4}$

$\frac{6 + 3}{12} = \frac{9}{12}$

Now, let's simplify.

$\frac{9}{12} = \frac{3x3}{4x3} = \frac{3}{4}$

So, $\frac{6}{12} + \frac{1}{4} = \frac{3}{4}$

b. $\frac{6}{7} + \frac{4}{5}$

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

$\frac{6}{7} + \frac{4}{5}$

$\frac{30 + 28}{35} = \frac{58}{35} = 1\frac{23}{35}$

So, $\frac{6}{7} + \frac{4}{5} = 1\frac{23}{35}$

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

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

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

$\frac{15 + 6}{18} = \frac{21}{18} = \frac{7}{6} = 1\frac{1}{6}$

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

d. $\frac{7}{20} + \frac{2}{5}$

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

$\frac{7}{20} + \frac{2}{5}$

$\frac{7 + 8}{20} = \frac{15}{20}$

Now, let's simplify.

$\frac{15}{20} = \frac{3x5}{4x5} = \frac{3}{4}$

So, $\frac{7}{20} + \frac{2}{5} = \frac{3}{4}$

e. $\frac{5}{8} + \frac{3}{4}$

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

$\frac{5}{8} + \frac{3}{4}$

$\frac{5 + 6}{8} = \frac{11}{8} = 1\frac{3}{8}$

So, $\frac{5}{8} + \frac{3}{4} = 1\frac{3}{8}$

f. $\frac{7}{10} + \frac{5}{9}$

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

$\frac{7}{10} + \frac{5}{9}$

$\frac{63 + 50}{90} = \frac{113}{90} = 1\frac{23}{90}$

So, $\frac{7}{10} + \frac{5}{9} = 1\frac{23}{90}$