mathskills4kids

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

Adding fractions with like denominators

Add the following fractions (Simplify your answer).

Example : $\frac{10}{17} + \frac{6}{17} = \frac{?}{?}$

Since we already have the same denominators,

let's add the numerators and keep the denominator the same.

$\frac{10}{17} + \frac{6}{17} = \frac{10+6}{17} = \frac{16}{17}$

So, $\frac{10}{17} + \frac{6}{17} = \frac{16}{17}$

a. $\frac{4}{5} + \frac{1}{5} =$

b. $\frac{5}{6} + \frac{3}{6} =$

c. $\frac{3}{7} + \frac{1}{7} =$

d. $\frac{6}{8} + \frac{7}{8} =$

e. $\frac{4}{10} + \frac{8}{10} =$

f. $\frac{2}{9} + \frac{7}{9} =$

g. $\frac{12}{24} + \frac{13}{24} =$

h. $\frac{27}{30} + \frac{1}{30} =$

i. $\frac{5}{9} + \frac{3}{9} =$

j. $\frac{3}{2} + \frac{1}{2} =$

Solution

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$\frac{10}{17} + \frac{6}{17} = \frac{10+6}{17} = \frac{16}{17}$

So, $\frac{10}{17} + \frac{6}{17} = \frac{16}{17}$

a. $\frac{4}{5} + \frac{1}{5} = \frac{4+1}{5} = \frac{5}{5} = \boxed{1}$

b. $\frac{5}{6} + \frac{3}{6} = \frac{5+3}{6} = \frac{8}{6} = \frac{4}{3} = \boxed{1\frac{1}{3}}$

c. $\frac{3}{7} + \frac{1}{7} = \frac{3+1}{7} = \boxed{\frac{4}{7}}$

d. $\frac{6}{8} + \frac{7}{8} = \frac{6+7}{8} = \frac{13}{8} = \boxed{1\frac{5}{8}}$

e. $\frac{4}{10} + \frac{8}{10} = \frac{4+8}{10} = \frac{12}{10} = \frac{6}{5} = \boxed{1\frac{1}{5}}$

f. $\frac{2}{9} + \frac{7}{9} = \frac{2+7}{9} = \frac{9}{9} = \boxed{1}$

g. $\frac{12}{24} + \frac{13}{24} = \frac{12+13}{24} = \frac{25}{24} = \boxed{1\frac{1}{24}}$

h. $\frac{27}{30} + \frac{1}{30} = \frac{27+1}{30} = \frac{28}{30} = \boxed{\frac{14}{15}}$

i. $\frac{5}{9} + \frac{3}{9} = \frac{5+3}{9} = \boxed{\frac{8}{9}}$

j. $\frac{3}{2} + \frac{1}{2} = \frac{3+1}{2} = \frac{4}{2} = \boxed{2}$