mathskills4kids

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

Compare sums and differences of fractions with like denominators

Compare the following expressions with >, <, or =.

a. $\frac{6}{10} + \frac{2}{10}$ [<] $\frac{7}{10} + \frac{3}{10}$

Let's first of all solve the left hand side of the expression.

$\frac{6}{10} + \frac{2}{10} = \frac{6+2}{10} = \frac{8}{10} = \frac{2}{5}$

Secondly, let's solve the right hand side of the expression.

$\frac{7}{10} + \frac{3}{10} = \frac{7+3}{10} = \frac{10}{10} = 1$

Finally, let's compare.

Since $\frac{2}{5}$ is less than 1, it implies that, $\frac{6}{10} + \frac{2}{10}$ [<] $\frac{7}{10} + \frac{3}{10}$

b. $\frac{9}{20} - \frac{5}{20}$ [ ] $\frac{16}{20} - \frac{12}{20}$

c. $\frac{14}{12} - \frac{11}{12}$ [ ] $\frac{9}{12} - \frac{1}{12}$

d. $\frac{7}{16}$ [ ] $\frac{8}{16} - \frac{4}{16}$

e. $\frac{27}{30} + \frac{4}{30}$ [ ] $\frac{29}{30} + \frac{1}{30}$

f. $\frac{23}{27} - \frac{13}{27}$ [ ] $\frac{7}{27} + \frac{2}{27}$

g. $\frac{13}{24} + \frac{6}{24}$ [ ] $\frac{9}{17} - \frac{5}{17}$

h. $\frac{17}{20} - \frac{10}{20}$ [ ] $\frac{11}{20} - \frac{2}{20}$

i. $\frac{2}{17} + \frac{3}{17}$ [ ] $\frac{9}{17} - \frac{4}{17}$

Solution

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