Adding Fractions

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When ADDING fractions, the denominators must be the same!!

Ex. #1

a) $\frac{1}{2}\cdot\frac{5}{5} + \frac{5}{10}$

$\frac{5}{10} + \frac{5}{10} = \frac{10}{10} = \boxed{1}$

b) $\frac{4}{6}\times\frac{2}{2} + \frac{3}{4}\times\frac{3}{3}$

$\frac{8}{12} + \frac{9}{12} = \frac{17}{12} = \boxed{1\frac{5}{12}}$

Ex #2

a) $4\frac{1}{3}\times\frac{+1}{3} + 8\frac{1}{2}$

$= \frac{13}{3}\times\frac{2}{2} + \frac{17}{2}\times\frac{3}{3}$

$= \frac{26}{6} + \frac{51}{6} = \frac{26+51}{6}$

$= \frac{77}{6} = \boxed{12\frac{5}{6}}$

$4\frac{1}{3}\times\frac{2}{2} + 8\frac{1}{2}\times\frac{3}{3}$

$4\frac{2}{6} + 8\frac{3}{6}$

$= \boxed{12\frac{5}{6}}$

b) $3\frac{3}{6}\times\frac{7}{7} + 2\frac{4}{7}\times\frac{6}{6}$

$3\frac{21}{42} + 2\frac{24}{42}$

$= \boxed{5\frac{45}{42}}$

$= 6\frac{3}{42}$