10. Fractions

Simplify the following Fractions. If the answer is an Improper Fraction, change it to a Mixed Number.

a. $\dfrac{3}{4}$ + $\dfrac{2}{4}$

= — = __ —

b. $\dfrac{4}{5}$ + $\dfrac{3}{5}$

= — = __ —

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c. $\dfrac{7}{8}$ + $\dfrac{4}{8}$

= — = __ —

d. $\dfrac{9}{12}$ + $\dfrac{8}{12}$

= — = __ —

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e. $\dfrac{7}{11}$ + $\dfrac{4}{11}$

= — = __ —

f. $\dfrac{8}{10}$ + $\dfrac{9}{10}$

= — = __ —

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g. $\dfrac{11}{12}$ + $\dfrac{1}{12}$

= — = __ —

h. $\dfrac{19}{20}$ + $\dfrac{4}{20}$

= — = __ —

1

When the denominators are different, use their L.C.M. of the denominators to make them the same.

i. $\dfrac{3}{5}$ $+$ $\dfrac{1}{2}$ 　　　　 j. $\dfrac{5}{8}$ $+$ $\dfrac{3}{4}$

L.C.M. = _____ 　　　　　　 L.C.M. = _____

$\quad \dfrac{}{} + \dfrac{}{}$ 　　　　　 $\dfrac{}{} + \dfrac{}{}$

$= \dfrac{}{} = \underline{\quad}\dfrac{}{}$ 　　 $= \dfrac{}{} = \underline{\quad}\dfrac{}{}$

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k. $\dfrac{3}{4}$ $+$ $\dfrac{5}{6}$ 　　　　 l. $\dfrac{7}{10}$ $+$ $\dfrac{1}{4}$

L.C.M. = _____ 　　　　　　 L.C.M. = _____

$\quad \dfrac{}{} + \dfrac{}{}$ 　　　　　 $\dfrac{}{} + \dfrac{}{}$

$= \dfrac{}{} = \underline{\quad}\dfrac{}{}$ 　　 $= \dfrac{}{} = \underline{\quad}\dfrac{}{}$

Sometimes, the answer can be reduced.

5m. $\dfrac{3}{4}$ $-$ $\dfrac{5}{12}$ **n.** $\dfrac{7}{10}$ $-$ $\dfrac{1}{2}$

L.C.M. = _____   **L.C.M. = _____**

$\dfrac{\quad}{}$ $-$ $\dfrac{\quad}{}$ $\dfrac{\quad}{}$ $-$ $\dfrac{\quad}{}$

$=\dfrac{\quad}{}$ $=\dfrac{\quad}{}$ $=\dfrac{\quad}{}$ $=\dfrac{\quad}{}$

N.B. 1 = $\dfrac{2}{2}$, $\dfrac{3}{3}$, $\dfrac{4}{4}$, $\dfrac{5}{5}$ *etc.*

o. 1 $-$ $\dfrac{15}{18}$ **p. 1** $-$ $\dfrac{18}{24}$

$\dfrac{\quad}{}$ $-$ $\dfrac{\quad}{}$ $\dfrac{\quad}{}$ $-$ $\dfrac{\quad}{}$

$=\dfrac{\quad}{}$ $=\dfrac{\quad}{}$ $=\dfrac{\quad}{}$ $=\dfrac{\quad}{}$

q. $\dfrac{4}{5}$ $+$ $\dfrac{3}{10}$ **r.** $\dfrac{3}{4}$ $+$ $\dfrac{5}{6}$

L.C.M. = _____   **L.C.M. = _____**

$\dfrac{\quad}{}$ $+$ $\dfrac{\quad}{}$ $\dfrac{\quad}{}$ $+$ $\dfrac{\quad}{}$

$=\dfrac{\quad}{}$ $=\dfrac{\quad}{\underline{\quad}}$ $=\dfrac{\quad}{}$ $=\dfrac{\quad}{\underline{\quad}}$