

0, 3, 6, 9, 12, 15
0, 6, 12, 18, 24

11.6 Notes: Adding/subtracting Unlike Denominators

Fraction Review: Get like denominators
(Finding the LCM
(Least Common
multi))

$$\textcircled{1} \begin{matrix} (2) \\ (2) \end{matrix} \frac{1}{3} + \frac{1}{6} =$$

$$\frac{2}{6} + \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$$

$$\textcircled{2} \begin{matrix} (4) \\ (1) \end{matrix} \frac{1}{4} - \frac{1}{7} \begin{matrix} (4) \\ (4) \end{matrix} =$$

$$\frac{7}{28} - \frac{4}{28} = \boxed{\frac{3}{28}}$$

$$\textcircled{3} \begin{matrix} (2) \\ (2) \end{matrix} \frac{6}{2uv} - \frac{u+4v}{4uv}$$

$$\frac{12}{4uv} - \frac{u+4v}{4uv} = \boxed{\frac{12-u-4v}{4uv}}$$

$$\textcircled{4} \begin{matrix} (5a) \\ (5a) \end{matrix} \frac{3a}{6b} + \frac{8}{5ab} \begin{matrix} (6) \\ (6) \end{matrix}$$

$$\frac{15a^2}{30ab} + \frac{48}{30ab} = \frac{15a^2+48}{30ab} = \frac{3(5a^2+16)}{30ab} = \boxed{\frac{(5a^2+16)}{10ab}}$$

$$\textcircled{5} \begin{matrix} (nt+5) \\ (nt+5) \end{matrix} \frac{2}{(nt+5)(nt+3)} + \frac{7n}{(nt+5)(nt+3)} \begin{matrix} (nt+3) \\ (nt+3) \end{matrix}$$

$$\frac{2nt+10}{(nt+5)(nt+3)} + \frac{7n^2+21n}{(nt+5)(nt+3)} = \boxed{\frac{7n^2+23n+10}{(nt+5)(nt+3)}}$$