

$$\begin{array}{r} 8 \times 48 \\ 2 \times -6 \\ 9 \times 54 \\ 3 \times -6 \end{array}$$

$$\frac{(n+8)(\cancel{n-6})}{(n+9)(\cancel{n-6})} = \boxed{\frac{n+8}{n+9}}$$

$$\begin{array}{r} 12. \\ 30 \\ 10 \times 3 \\ 13 \end{array}$$

$$\frac{5n(\cancel{n+3})}{(n+10)(\cancel{n+3})} = \boxed{\frac{5n}{n+10}}$$

$$\begin{array}{r} 13. \\ 18 \\ 9 \times 2 \\ 11 \end{array}$$

$$\frac{b(b+9)(\cancel{b+2})}{(b-8)(\cancel{b+2})} = \boxed{\frac{b(b+9)}{(b-8)}}$$

$$\begin{array}{r} 14. \\ 18 \\ 6 \times -3 \\ -3 \\ 5 \times -3 \\ 2 \end{array}$$

$$\frac{(n+6)(\cancel{n-3})}{(n+5)(\cancel{n-3})} = \boxed{\frac{n+6}{n+5}}$$

$$\begin{array}{r} -16 \\ -8 \times 2 \\ -6 \end{array}$$

$$\begin{array}{r} 15. \\ 8 \\ -1 \times 8 \\ 7 \\ -2 \\ -1 \times 2 \\ 1 \end{array}$$

$$\frac{2(\cancel{a-1})(a+8)}{(\cancel{a-1})(a+2)} = \boxed{\frac{2(a+8)}{(a+2)}}$$

$$\begin{array}{l} 16. \frac{2(5k+8)}{2(7k^2+17k+10)} = \frac{5k+8}{k^2+17k+70} \\ \frac{5k+8}{(k+\frac{10}{7})(k+\frac{7}{7})} = \boxed{\frac{5k+8}{(7k+10)(k+1)}} \end{array}$$

$$\begin{array}{r} 70 \\ 10 \times 7 \\ 17 \end{array}$$

$$\begin{array}{l} 17. \frac{6m(m+2)}{2m(m^2+7m+10)} \\ \frac{3(\cancel{m+2})}{(m+5)(\cancel{m+2})} = \boxed{\frac{3}{m+5}} \end{array}$$

$$\begin{array}{r} 10 \\ 5 \times 2 \\ 7 \end{array}$$

$$\begin{array}{l} 18. \frac{9(v^2-6v-7)}{3v(v^2+v-56)} \\ \frac{3(\cancel{v-7})(v+1)}{v(v+8)(\cancel{v-7})} = \boxed{\frac{3(v+1)}{v(v+8)}} \end{array}$$

$$\begin{array}{r} -7 \\ -7 \times 1 \\ -6 \\ 8 \times -56 \\ 1 \times -7 \end{array}$$

$$\begin{array}{l} 19. \frac{6(v^2-6v+5)}{3(7v-3)} \\ \frac{2(v-5)(v-1)}{(7v-3)} \end{array}$$

$$\begin{array}{r} 5 \\ -5 \times -1 \\ -6 \end{array}$$

$$\begin{array}{l} 20. \frac{3m(m^2+4m-60)}{(m+5)(m+10)} \\ \frac{3m(\cancel{m+10})(m-6)}{(m+5)(\cancel{m+10})} = \boxed{\frac{3m(m-6)}{(m+5)}} \end{array}$$

$$\begin{array}{r} 50 \\ 5 \times 10 \\ 15 \\ 10 \times -6 \\ 4 \times -6 \end{array}$$