

Arbeitsblatt 'Terme vereinfachen'

$$\begin{aligned} \text{A } 4x + 5y - (2x + 2y) &= \\ 4x + 5y - 2x - 2y &= \\ \underline{\underline{2x + 3y}} \end{aligned}$$

$$\begin{aligned} \text{B } 8x + 7y - (3x + 3y) &= \\ 8x + 7y - 3x - 3y &= \\ \underline{\underline{5x + 4y}} \end{aligned}$$

$$\begin{aligned} \text{C } 7u + 9v - (4u + 4v) &= \\ 7u + 9v - 4u - 4v &= \\ \underline{\underline{3u + 5v}} \end{aligned}$$

$$\begin{aligned} \text{D } 15u + 12v + (5u - 5v) &= \\ 15u + 12v + 5u - 5v &= \\ \underline{\underline{20u + 7v}} \end{aligned}$$

$$\begin{aligned} \text{E } 6r + 3(r+s) + r + 2s + s + s &= \\ 6r + 3r + 3s + r + 2s + s + s &= \\ \underline{\underline{10r + 7s}} \end{aligned}$$

$$\begin{aligned} \text{F } 6r + 3(r+2s) - 4r + 2s &= \\ 6r + 3r + 6s - 4r + 2s &= \\ \underline{\underline{5r + 8s}} \end{aligned}$$

$$\begin{aligned} \text{G } 6r + s + 4(r+s) - 4r + 2(-s+s) &= \\ 6r + s + 4r + 4s - 4r - 2s + 2s &= \\ \underline{\underline{6r + 5s}} \end{aligned}$$

$$\begin{aligned} \text{H } (r+2s) + 5r + (r+2s) + s + 5(r+s) &= \\ r + 2s + 5r + r + 2s + s + 5r + 5s &= \\ \underline{\underline{12r + 10s}} \end{aligned}$$

$$\begin{aligned} \text{I } (10x + 3y + 2z) + 2(2x + y - 3z) &= \\ 10x + 3y + 2z + 4x + 2y - 6z &= \\ \underline{\underline{14x + 5y - 4z}} \end{aligned}$$

$$\begin{aligned} \text{K } (10x + 3y + 2z) - 2(2x + y + 3z) &= \\ 10x + 3y + 2z - 4x - 2y - 6z &= \\ \underline{\underline{6x + y - 4z}} \end{aligned}$$

$$\begin{aligned} \text{L } (10x + 3y + 2z) - 2(2x - y + 3z) &= \\ 10x + 3y + 2z - 4x \oplus 2y - 6z &= \\ \underline{\underline{6x + 5y - 4z}} \end{aligned}$$

$$\begin{aligned} \text{M } (10x + 3y + 2z) - 2(2x - y - 3z) &= \\ 10x + 3y + 2z - 4x \oplus 2y \oplus 6z &= \\ \underline{\underline{6x + 5y + 8z}} \end{aligned}$$