

Dealing with Negatives 3

$$\begin{aligned}
 4 + 11 - (-89) + (-91) + (-55) &= \textcolor{red}{-42} \\
 = 4 + 11 + 89 - 91 - 55 \\
 = \textcolor{blue}{104} - \textcolor{blue}{146} \\
 = \textcolor{red}{-42}
 \end{aligned}$$

$$\begin{array}{r}
 \begin{array}{r}
 ^1\!\! \begin{array}{r} 1 \\ 89 \end{array} & \begin{array}{r} ^1\!\! 91 \\ + 55 \\ \hline 146 \end{array} & \begin{array}{r} 146 \\ - 104 \\ \hline 42 \end{array} \\
 11 & \hline \\
 + 4 & \hline \\
 \hline 104
 \end{array}
 \end{array}$$

$$\begin{aligned}
 5 + 3 - 80 + (-68) + (-59) &= \textcolor{red}{-199} \\
 = 5 + 3 - 80 - 68 - 59 \\
 = (5 + 3) - (80 + 68 + 59) \\
 = 8 - \textcolor{blue}{207} \\
 = \textcolor{red}{-199}
 \end{aligned}$$

$$\begin{array}{r}
 \begin{array}{r}
 ^2\!\! \begin{array}{r} 1 \\ 80 \end{array} & \begin{array}{r} ^9 \\ 207 \\ - 8 \\ \hline 199 \end{array} \\
 68 & \hline \\
 + 59 & \hline \\
 \hline 207
 \end{array}
 \end{array}$$

$$\begin{aligned}
 12 - (-8) + (-2) - 9 + (-3) &= \textcolor{red}{6} \\
 = 12 + 8 - 2 - 9 - 3 \\
 = (12 + 8) - (2 + 9 + 3) \\
 = \textcolor{blue}{20} - 14 \\
 = \textcolor{red}{6}
 \end{aligned}$$

$$\begin{array}{r}
 \begin{array}{r}
 ^1\!\! \begin{array}{r} 1 \\ 2 \end{array} & \begin{array}{r} ^1\!\! 20 \\ - 14 \\ \hline 6 \end{array} \\
 + 8 & \hline \\
 \hline 20
 \end{array}
 \end{array}$$

$$\begin{aligned}
 12 + (-3) + (-3) + 10 - 4 &= \textcolor{red}{12} \\
 = 12 - 3 - 3 + 10 - 4 \\
 = 12 + 10 - (3 + 3 + 4) \\
 = 12 + (10 - 10) \\
 = \textcolor{red}{12}
 \end{aligned}$$

$$\begin{aligned}
 -10 + (-3) + 9 - 10 + 6 &= \textcolor{red}{-8} \\
 = -10 - 3 + 9 - 10 + 6 \\
 = (9 + 6) - (10 + 10 + 3) \\
 = 15 - \textcolor{blue}{23} \\
 = \textcolor{red}{-8}
 \end{aligned}$$

$$\begin{array}{r}
 \begin{array}{r}
 ^1\!\! \begin{array}{r} 1 \\ 0 \end{array} & \begin{array}{r} ^1\!\! 23 \\ - 15 \\ \hline 8 \end{array} \\
 10 & \hline \\
 + 3 & \hline \\
 \hline 23
 \end{array}
 \end{array}$$

$$\begin{aligned}
 12 + 10 - 8 - 8 &= \textcolor{red}{6} \\
 = (12 + 10) - (8 + 8) \\
 = \textcolor{blue}{22} - 16 \\
 = \textcolor{red}{6}
 \end{aligned}$$

$$\begin{array}{r}
 \begin{array}{r}
 ^1\!\! \begin{array}{r} 1 \\ 2 \end{array} & \begin{array}{r} ^1\!\! 2 \\ - 16 \\ \hline 6 \end{array} \\
 + 10 & \hline \\
 \hline 22
 \end{array}
 \end{array}$$

$$\begin{aligned}
 12 + (-10) - 6 - (-4) + 2 &= \textcolor{red}{2} \\
 = 12 - 10 - 6 + 4 + 2 \\
 = (12 + 4 + 2) - (10 + 6) \\
 = \textcolor{blue}{18} - 16 \\
 = \textcolor{red}{2}
 \end{aligned}$$

$$\begin{array}{r}
 \begin{array}{r}
 12 & \\
 4 & \\
 + 2 & \\
 \hline 18
 \end{array}
 \end{array}$$