

# Dealing with Negatives 6 - Solutions

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$$\begin{array}{r}
 (-10) - (-10) - 33 + (-81) - (-35) \\
 = -10 + 10 - 33 - 81 + 35 \\
 = 35 - (33 + 81) \\
 = 35 - 114 \\
 = -79
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{3}3 \\
 + 81 \\
 \hline
 114
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{0}{1}\overset{0}{1}4 \\
 - 35 \\
 \hline
 79
 \end{array}$$

$$\begin{array}{r}
 -7 - 17 + (-20) + (-63) + 60 + (-79) \\
 = -7 - 17 - 20 - 63 + 60 - 79 \\
 = 60 - (7 + 17 + 20 + 63 + 79) \\
 = 60 - 186 \\
 = -126
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{2}7 \\
 17 \\
 20 \\
 63 \\
 + 79 \\
 \hline
 186
 \end{array}
 \qquad
 \begin{array}{r}
 186 \\
 - 60 \\
 \hline
 126
 \end{array}$$

$$\begin{array}{r}
 (-6) + (-65) - (-66) + 28 - (-15) - 70 \\
 = -6 - 65 + 66 + 28 + 15 - 70 \\
 = (66 + 28 + 15) - (6 + 65 + 70) \\
 = 109 - 141 \\
 = -32
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{1}66 \\
 28 \\
 + 15 \\
 \hline
 109
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{1}{1}65 \\
 70 \\
 + 6 \\
 \hline
 141
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{3}{1}141 \\
 - 109 \\
 \hline
 32
 \end{array}$$

$$\begin{array}{r}
 2 - 84 - 59 + 80 - (-54) - 88 \\
 = 2 - 84 - 59 + 80 + 54 - 88 \\
 = (2 + 80 + 54) - (84 + 59 + 88) \\
 = 136 - 231 \\
 = -95
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{8}0 \\
 54 \\
 + 2 \\
 \hline
 136
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{2}{2}84 \\
 84 \\
 + 59 \\
 \hline
 231
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{1}{2}121 \\
 - 136 \\
 \hline
 95
 \end{array}$$

$$\begin{array}{r}
 (-8) + (-7) - (-47) + (-81) - 13 - (-73) \\
 = -8 - 7 + 47 - 81 - 13 + 73 \\
 = (47 + 73) - (8 + 7 + 81 + 13) \\
 = 120 - 109 \\
 = 11
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{1}47 \\
 + 73 \\
 \hline
 120
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{1}{1}81 \\
 13 \\
 8 \\
 + 7 \\
 \hline
 109
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{1}{1}120 \\
 - 109 \\
 \hline
 11
 \end{array}$$

$$\begin{array}{r}
 6 - (-29) + 20 - (-5) - 1 + (-63) \\
 = 6 + 29 + 20 + 5 - 1 - 63 \\
 = (6 + 29 + 20 + 5) - (1 + 63) \\
 = 60 - 64 \\
 = -4
 \end{array}$$

$$\begin{array}{r}
 \overset{2}{2}9 \\
 20 \\
 6 \\
 + 5 \\
 \hline
 60
 \end{array}
 \qquad
 \begin{array}{r}
 64 \\
 - 60 \\
 \hline
 4
 \end{array}$$

$$\begin{array}{r}
 (-8) + (-53) - 14 + 86 - (-96) + 55 \\
 = -8 - 53 - 14 + 86 + 96 + 55 \\
 = (86 + 96 + 55) - (8 + 53 + 14) \\
 = 237 - 75 \\
 = 162
 \end{array}$$

$$\begin{array}{r}
 \overset{2}{1}96 \\
 86 \\
 + 55 \\
 \hline
 237
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{1}{5}3 \\
 14 \\
 + 8 \\
 \hline
 75
 \end{array}
 \qquad
 \begin{array}{r}
 \overset{1}{1}237 \\
 - 75 \\
 \hline
 162
 \end{array}$$