

Adding/Subtracting Ternary Numbers (A)

Calculate each sum or difference.

$$\begin{array}{r} 12112_3 \\ - 2221_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2001_3 \\ + 2201_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12012_3 \\ - 2220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1001_3 \\ + 2101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2200_3 \\ - 1020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2021_3 \\ - 1020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2100_3 \\ + 2012_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11102_3 \\ - 2020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2212_3 \\ - 1112_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12002_3 \\ - 2110_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11122_3 \\ - 2210_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10010_3 \\ - 1000_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10212_3 \\ - 1020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1001_3 \\ + 1211_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10211_3 \\ - 1200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2020_3 \\ + 1111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1102_3 \\ + 2220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1101_3 \\ + 1111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2111_3 \\ + 1120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11022_3 \\ - 1121_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (A) Answers

Calculate each sum or difference.

$$\begin{array}{r} 12112_3 \\ - 2221_3 \\ \hline 2121_3 \end{array}$$

$$\begin{array}{r} 2001_3 \\ + 2201_3 \\ \hline 11202_3 \end{array}$$

$$\begin{array}{r} 12012_3 \\ - 2220_3 \\ \hline 2022_3 \end{array}$$

$$\begin{array}{r} 1001_3 \\ + 2101_3 \\ \hline 10102_3 \end{array}$$

$$\begin{array}{r} 2200_3 \\ - 1020_3 \\ \hline 1110_3 \end{array}$$

$$\begin{array}{r} 2021_3 \\ - 1020_3 \\ \hline 1001_3 \end{array}$$

$$\begin{array}{r} 2100_3 \\ + 2012_3 \\ \hline 11112_3 \end{array}$$

$$\begin{array}{r} 11102_3 \\ - 2020_3 \\ \hline 2012_3 \end{array}$$

$$\begin{array}{r} 2212_3 \\ - 1112_3 \\ \hline 1100_3 \end{array}$$

$$\begin{array}{r} 12002_3 \\ - 2110_3 \\ \hline 2122_3 \end{array}$$

$$\begin{array}{r} 11122_3 \\ - 2210_3 \\ \hline 1212_3 \end{array}$$

$$\begin{array}{r} 10010_3 \\ - 1000_3 \\ \hline 2010_3 \end{array}$$

$$\begin{array}{r} 10212_3 \\ - 1020_3 \\ \hline 2122_3 \end{array}$$

$$\begin{array}{r} 1001_3 \\ + 1211_3 \\ \hline 2212_3 \end{array}$$

$$\begin{array}{r} 10211_3 \\ - 1200_3 \\ \hline 2011_3 \end{array}$$

$$\begin{array}{r} 2020_3 \\ + 1111_3 \\ \hline 10201_3 \end{array}$$

$$\begin{array}{r} 1102_3 \\ + 2220_3 \\ \hline 11022_3 \end{array}$$

$$\begin{array}{r} 1101_3 \\ + 1111_3 \\ \hline 2212_3 \end{array}$$

$$\begin{array}{r} 2111_3 \\ + 1120_3 \\ \hline 11001_3 \end{array}$$

$$\begin{array}{r} 11022_3 \\ - 1121_3 \\ \hline 2201_3 \end{array}$$

Adding/Subtracting Ternary Numbers (B)

Calculate each sum or difference.

$$\begin{array}{r} 11201_3 \\ - 2221_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10201_3 \\ - 2112_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11001_3 \\ - 2121_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10112_3 \\ - 1012_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1012_3 \\ + 1010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11222_3 \\ - 2000_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2102_3 \\ + 2202_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10201_3 \\ - 2011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2220_3 \\ + 1021_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2012_3 \\ + 2020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 1200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11110_3 \\ - 2201_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2221_3 \\ + 2222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11001_3 \\ - 1202_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1011_3 \\ + 2211_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 1000_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1010_3 \\ + 2222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1101_3 \\ + 1221_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1121_3 \\ + 1101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2111_3 \\ + 1201_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (B) Answers

Calculate each sum or difference.

$$\begin{array}{r} 11201_3 \\ - 2221_3 \\ \hline 1210_3 \end{array}$$

$$\begin{array}{r} 10201_3 \\ - 2112_3 \\ \hline 1012_3 \end{array}$$

$$\begin{array}{r} 11001_3 \\ - 2121_3 \\ \hline 1110_3 \end{array}$$

$$\begin{array}{r} 10112_3 \\ - 1012_3 \\ \hline 2100_3 \end{array}$$

$$\begin{array}{r} 1012_3 \\ + 1010_3 \\ \hline 2022_3 \end{array}$$

$$\begin{array}{r} 11222_3 \\ - 2000_3 \\ \hline 2222_3 \end{array}$$

$$\begin{array}{r} 2102_3 \\ + 2202_3 \\ \hline 12011_3 \end{array}$$

$$\begin{array}{r} 10201_3 \\ - 2011_3 \\ \hline 1120_3 \end{array}$$

$$\begin{array}{r} 2220_3 \\ + 1021_3 \\ \hline 11011_3 \end{array}$$

$$\begin{array}{r} 2012_3 \\ + 2020_3 \\ \hline 11102_3 \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 1200_3 \\ \hline 1211_3 \end{array}$$

$$\begin{array}{r} 11110_3 \\ - 2201_3 \\ \hline 1202_3 \end{array}$$

$$\begin{array}{r} 2221_3 \\ + 2222_3 \\ \hline 12220_3 \end{array}$$

$$\begin{array}{r} 11001_3 \\ - 1202_3 \\ \hline 2022_3 \end{array}$$

$$\begin{array}{r} 1011_3 \\ + 2211_3 \\ \hline 10222_3 \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 1000_3 \\ \hline 10210_3 \end{array}$$

$$\begin{array}{r} 1010_3 \\ + 2222_3 \\ \hline 11002_3 \end{array}$$

$$\begin{array}{r} 1101_3 \\ + 1221_3 \\ \hline 10022_3 \end{array}$$

$$\begin{array}{r} 1121_3 \\ + 1101_3 \\ \hline 2222_3 \end{array}$$

$$\begin{array}{r} 2111_3 \\ + 1201_3 \\ \hline 11012_3 \end{array}$$

Adding/Subtracting Ternary Numbers (C)

Calculate each sum or difference.

$$\begin{array}{r} 1100_3 \\ + 1001_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 1101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1222_3 \\ + 2120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2121_3 \\ - 1022_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1020_3 \\ + 2022_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2222_3 \\ + 2210_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10221_3 \\ - 1101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1200_3 \\ + 2021_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12012_3 \\ - 2102_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11211_3 \\ - 2010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1120_3 \\ + 1220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10022_3 \\ - 1221_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11112_3 \\ - 2022_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1022_3 \\ + 2101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10200_3 \\ - 1122_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 1000_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2110_3 \\ + 2101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1100_3 \\ + 2220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10220_3 \\ - 1111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10020_3 \\ - 1212_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (C) Answers

Calculate each sum or difference.

$$\begin{array}{r} 1100_3 \\ + 1001_3 \\ \hline 2101_3 \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 1101_3 \\ \hline 2010_3 \end{array}$$

$$\begin{array}{r} 1222_3 \\ + 2120_3 \\ \hline 11112_3 \end{array}$$

$$\begin{array}{r} 2121_3 \\ - 1022_3 \\ \hline 1022_3 \end{array}$$

$$\begin{array}{r} 1020_3 \\ + 2022_3 \\ \hline 10112_3 \end{array}$$

$$\begin{array}{r} 2222_3 \\ + 2210_3 \\ \hline 12202_3 \end{array}$$

$$\begin{array}{r} 10221_3 \\ - 1101_3 \\ \hline 2120_3 \end{array}$$

$$\begin{array}{r} 1200_3 \\ + 2021_3 \\ \hline 10221_3 \end{array}$$

$$\begin{array}{r} 12012_3 \\ - 2102_3 \\ \hline 2210_3 \end{array}$$

$$\begin{array}{r} 11211_3 \\ - 2010_3 \\ \hline 2201_3 \end{array}$$

$$\begin{array}{r} 1120_3 \\ + 1220_3 \\ \hline 10110_3 \end{array}$$

$$\begin{array}{r} 10022_3 \\ - 1221_3 \\ \hline 1101_3 \end{array}$$

$$\begin{array}{r} 11112_3 \\ - 2022_3 \\ \hline 2020_3 \end{array}$$

$$\begin{array}{r} 1022_3 \\ + 2101_3 \\ \hline 10200_3 \end{array}$$

$$\begin{array}{r} 10200_3 \\ - 1122_3 \\ \hline 2001_3 \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 1000_3 \\ \hline 10210_3 \end{array}$$

$$\begin{array}{r} 2110_3 \\ + 2101_3 \\ \hline 11211_3 \end{array}$$

$$\begin{array}{r} 1100_3 \\ + 2220_3 \\ \hline 11020_3 \end{array}$$

$$\begin{array}{r} 10220_3 \\ - 1111_3 \\ \hline 2102_3 \end{array}$$

$$\begin{array}{r} 10020_3 \\ - 1212_3 \\ \hline 1101_3 \end{array}$$

Adding/Subtracting Ternary Numbers (D)

Calculate each sum or difference.

$$\begin{array}{r} 11020_3 \\ - 1120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1122_3 \\ + 1201_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1021_3 \\ + 2102_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10020_3 \\ - 1201_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1102_3 \\ + 2221_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10200_3 \\ - 1101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11001_3 \\ - 2001_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1222_3 \\ + 1201_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2020_3 \\ - 1000_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2110_3 \\ + 2210_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 2021_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12101_3 \\ - 2200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11202_3 \\ - 1222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1120_3 \\ + 1012_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10000_3 \\ - 1221_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12021_3 \\ - 2222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10102_3 \\ - 1101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11100_3 \\ - 1222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1000_3 \\ + 1101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1221_3 \\ + 1002_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (D) Answers

Calculate each sum or difference.

$$\begin{array}{r} 11020_3 \\ - 1120_3 \\ \hline 2200_3 \end{array}$$

$$\begin{array}{r} 1122_3 \\ + 1201_3 \\ \hline 10100_3 \end{array}$$

$$\begin{array}{r} 1021_3 \\ + 2102_3 \\ \hline 10200_3 \end{array}$$

$$\begin{array}{r} 10020_3 \\ - 1201_3 \\ \hline 1112_3 \end{array}$$

$$\begin{array}{r} 1102_3 \\ + 2221_3 \\ \hline 11100_3 \end{array}$$

$$\begin{array}{r} 10200_3 \\ - 1101_3 \\ \hline 2022_3 \end{array}$$

$$\begin{array}{r} 11001_3 \\ - 2001_3 \\ \hline 2000_3 \end{array}$$

$$\begin{array}{r} 1222_3 \\ + 1201_3 \\ \hline 10200_3 \end{array}$$

$$\begin{array}{r} 2020_3 \\ - 1000_3 \\ \hline 1020_3 \end{array}$$

$$\begin{array}{r} 2110_3 \\ + 2210_3 \\ \hline 12020_3 \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 2021_3 \\ \hline 1020_3 \end{array}$$

$$\begin{array}{r} 12101_3 \\ - 2200_3 \\ \hline 2201_3 \end{array}$$

$$\begin{array}{r} 11202_3 \\ - 1222_3 \\ \hline 2210_3 \end{array}$$

$$\begin{array}{r} 1120_3 \\ + 1012_3 \\ \hline 2202_3 \end{array}$$

$$\begin{array}{r} 10000_3 \\ - 1221_3 \\ \hline 1002_3 \end{array}$$

$$\begin{array}{r} 12021_3 \\ - 2222_3 \\ \hline 2022_3 \end{array}$$

$$\begin{array}{r} 10102_3 \\ - 1101_3 \\ \hline 2001_3 \end{array}$$

$$\begin{array}{r} 11100_3 \\ - 1222_3 \\ \hline 2101_3 \end{array}$$

$$\begin{array}{r} 1000_3 \\ + 1101_3 \\ \hline 2101_3 \end{array}$$

$$\begin{array}{r} 1221_3 \\ + 1002_3 \\ \hline 10000_3 \end{array}$$

Adding/Subtracting Ternary Numbers (E)

Calculate each sum or difference.

$$\begin{array}{r} 1011_3 \\ + 2011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2221_3 \\ + 1011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1221_3 \\ + 1000_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2200_3 \\ + 1111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10211_3 \\ - 1012_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1102_3 \\ + 1220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2022_3 \\ + 2202_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11022_3 \\ - 2222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10100_3 \\ - 1200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10201_3 \\ - 1010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12100_3 \\ - 2121_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1001_3 \\ + 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2121_3 \\ + 1010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12101_3 \\ - 2212_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11211_3 \\ - 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11101_3 \\ - 2202_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10120_3 \\ - 2022_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10022_3 \\ - 1100_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11122_3 \\ - 2202_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10010_3 \\ - 2002_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (E) Answers

Calculate each sum or difference.

$$\begin{array}{r} 1011_3 \\ + 2011_3 \\ \hline 10022_3 \end{array}$$

$$\begin{array}{r} 2221_3 \\ + 1011_3 \\ \hline 11002_3 \end{array}$$

$$\begin{array}{r} 1221_3 \\ + 1000_3 \\ \hline 2221_3 \end{array}$$

$$\begin{array}{r} 2200_3 \\ + 1111_3 \\ \hline 11011_3 \end{array}$$

$$\begin{array}{r} 10211_3 \\ - 1012_3 \\ \hline 2122_3 \end{array}$$

$$\begin{array}{r} 1102_3 \\ + 1220_3 \\ \hline 10022_3 \end{array}$$

$$\begin{array}{r} 2022_3 \\ + 2202_3 \\ \hline 12001_3 \end{array}$$

$$\begin{array}{r} 11022_3 \\ - 2222_3 \\ \hline 1100_3 \end{array}$$

$$\begin{array}{r} 10100_3 \\ - 1200_3 \\ \hline 1200_3 \end{array}$$

$$\begin{array}{r} 10201_3 \\ - 1010_3 \\ \hline 2121_3 \end{array}$$

$$\begin{array}{r} 12100_3 \\ - 2121_3 \\ \hline 2202_3 \end{array}$$

$$\begin{array}{r} 1001_3 \\ + 2111_3 \\ \hline 10112_3 \end{array}$$

$$\begin{array}{r} 2121_3 \\ + 1010_3 \\ \hline 10201_3 \end{array}$$

$$\begin{array}{r} 12101_3 \\ - 2212_3 \\ \hline 2112_3 \end{array}$$

$$\begin{array}{r} 11211_3 \\ - 2111_3 \\ \hline 2100_3 \end{array}$$

$$\begin{array}{r} 11101_3 \\ - 2202_3 \\ \hline 1122_3 \end{array}$$

$$\begin{array}{r} 10120_3 \\ - 2022_3 \\ \hline 1021_3 \end{array}$$

$$\begin{array}{r} 10022_3 \\ - 1100_3 \\ \hline 1222_3 \end{array}$$

$$\begin{array}{r} 11122_3 \\ - 2202_3 \\ \hline 1220_3 \end{array}$$

$$\begin{array}{r} 10010_3 \\ - 2002_3 \\ \hline 1001_3 \end{array}$$

Adding/Subtracting Ternary Numbers (F)

Calculate each sum or difference.

$$\begin{array}{r} 10021_3 \\ - 1222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12022_3 \\ - 2102_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10202_3 \\ - 2100_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 1200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10202_3 \\ - 1120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10210_3 \\ - 1020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2022_3 \\ + 1222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2012_3 \\ + 2200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11221_3 \\ - 2001_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2111_3 \\ - 1110_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1001_3 \\ + 1112_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11000_3 \\ - 1102_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2211_3 \\ + 2110_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1000_3 \\ + 2102_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10222_3 \\ - 2010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1212_3 \\ + 2122_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2010_3 \\ + 1010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2022_3 \\ + 2021_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 1101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2221_3 \\ + 2022_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (F) Answers

Calculate each sum or difference.

$$\begin{array}{r} 10021_3 \\ - 1222_3 \\ \hline 1022_3 \end{array}$$

$$\begin{array}{r} 12022_3 \\ - 2102_3 \\ \hline 2220_3 \end{array}$$

$$\begin{array}{r} 10202_3 \\ - 2100_3 \\ \hline 1102_3 \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 1200_3 \\ \hline 11110_3 \end{array}$$

$$\begin{array}{r} 10202_3 \\ - 1120_3 \\ \hline 2012_3 \end{array}$$

$$\begin{array}{r} 10210_3 \\ - 1020_3 \\ \hline 2120_3 \end{array}$$

$$\begin{array}{r} 2022_3 \\ + 1222_3 \\ \hline 11021_3 \end{array}$$

$$\begin{array}{r} 2012_3 \\ + 2200_3 \\ \hline 11212_3 \end{array}$$

$$\begin{array}{r} 11221_3 \\ - 2001_3 \\ \hline 2220_3 \end{array}$$

$$\begin{array}{r} 2111_3 \\ - 1110_3 \\ \hline 1001_3 \end{array}$$

$$\begin{array}{r} 1001_3 \\ + 1112_3 \\ \hline 2120_3 \end{array}$$

$$\begin{array}{r} 11000_3 \\ - 1102_3 \\ \hline 2121_3 \end{array}$$

$$\begin{array}{r} 2211_3 \\ + 2110_3 \\ \hline 12021_3 \end{array}$$

$$\begin{array}{r} 1000_3 \\ + 2102_3 \\ \hline 10102_3 \end{array}$$

$$\begin{array}{r} 10222_3 \\ - 2010_3 \\ \hline 1212_3 \end{array}$$

$$\begin{array}{r} 1212_3 \\ + 2122_3 \\ \hline 11111_3 \end{array}$$

$$\begin{array}{r} 2010_3 \\ + 1010_3 \\ \hline 10020_3 \end{array}$$

$$\begin{array}{r} 2022_3 \\ + 2021_3 \\ \hline 11120_3 \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 1101_3 \\ \hline 2010_3 \end{array}$$

$$\begin{array}{r} 2221_3 \\ + 2022_3 \\ \hline 12020_3 \end{array}$$

Adding/Subtracting Ternary Numbers (G)

Calculate each sum or difference.

$$\begin{array}{r} 2101_3 \\ + 1021_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2222_3 \\ - 1012_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11021_3 \\ - 2020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2011_3 \\ + 2011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11021_3 \\ - 2120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2222_3 \\ - 1222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10221_3 \\ - 2000_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10001_3 \\ - 1220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1102_3 \\ + 2101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12110_3 \\ - 2112_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10101_3 \\ - 2011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11221_3 \\ - 2112_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12011_3 \\ - 2120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1211_3 \\ + 2220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2200_3 \\ - 1120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 2101_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10102_3 \\ - 1201_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2101_3 \\ + 1011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2202_3 \\ - 1022_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1101_3 \\ + 1211_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (G) Answers

Calculate each sum or difference.

$$\begin{array}{r} 2101_3 \\ + 1021_3 \\ \hline 10122_3 \end{array}$$

$$\begin{array}{r} 2222_3 \\ - 1012_3 \\ \hline 1210_3 \end{array}$$

$$\begin{array}{r} 11021_3 \\ - 2020_3 \\ \hline 2001_3 \end{array}$$

$$\begin{array}{r} 2011_3 \\ + 2011_3 \\ \hline 11022_3 \end{array}$$

$$\begin{array}{r} 11021_3 \\ - 2120_3 \\ \hline 1201_3 \end{array}$$

$$\begin{array}{r} 2222_3 \\ - 1222_3 \\ \hline 1000_3 \end{array}$$

$$\begin{array}{r} 10221_3 \\ - 2000_3 \\ \hline 1221_3 \end{array}$$

$$\begin{array}{r} 10001_3 \\ - 1220_3 \\ \hline 1011_3 \end{array}$$

$$\begin{array}{r} 1102_3 \\ + 2101_3 \\ \hline 10210_3 \end{array}$$

$$\begin{array}{r} 12110_3 \\ - 2112_3 \\ \hline 2221_3 \end{array}$$

$$\begin{array}{r} 10101_3 \\ - 2011_3 \\ \hline 1020_3 \end{array}$$

$$\begin{array}{r} 11221_3 \\ - 2112_3 \\ \hline 2102_3 \end{array}$$

$$\begin{array}{r} 12011_3 \\ - 2120_3 \\ \hline 2121_3 \end{array}$$

$$\begin{array}{r} 1211_3 \\ + 2220_3 \\ \hline 11201_3 \end{array}$$

$$\begin{array}{r} 2200_3 \\ - 1120_3 \\ \hline 1010_3 \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 2101_3 \\ \hline 12011_3 \end{array}$$

$$\begin{array}{r} 10102_3 \\ - 1201_3 \\ \hline 1201_3 \end{array}$$

$$\begin{array}{r} 2101_3 \\ + 1011_3 \\ \hline 10112_3 \end{array}$$

$$\begin{array}{r} 2202_3 \\ - 1022_3 \\ \hline 1110_3 \end{array}$$

$$\begin{array}{r} 1101_3 \\ + 1211_3 \\ \hline 10012_3 \end{array}$$

Adding/Subtracting Ternary Numbers (H)

Calculate each sum or difference.

$$\begin{array}{r} 11101_3 \\ - 2122_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 2020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11221_3 \\ - 2002_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1110_3 \\ + 1010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11220_3 \\ - 1222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2011_3 \\ + 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11021_3 \\ - 2120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1220_3 \\ + 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1011_3 \\ + 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11201_3 \\ - 2222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2002_3 \\ + 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 2011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11212_3 \\ - 1220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10200_3 \\ - 1200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2222_3 \\ - 1202_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1210_3 \\ + 1021_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1101_3 \\ + 2110_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11022_3 \\ - 1122_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2101_3 \\ - 1022_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2021_3 \\ + 2110_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (H) Answers

Calculate each sum or difference.

$$\begin{array}{r} 11101_3 \\ - 2122_3 \\ \hline 1202_3 \end{array}$$

$$\begin{array}{r} 2210_3 \\ + 2020_3 \\ \hline 12000_3 \end{array}$$

$$\begin{array}{r} 11221_3 \\ - 2002_3 \\ \hline 2212_3 \end{array}$$

$$\begin{array}{r} 1110_3 \\ + 1010_3 \\ \hline 2120_3 \end{array}$$

$$\begin{array}{r} 11220_3 \\ - 1222_3 \\ \hline 2221_3 \end{array}$$

$$\begin{array}{r} 2011_3 \\ + 2111_3 \\ \hline 11122_3 \end{array}$$

$$\begin{array}{r} 11021_3 \\ - 2120_3 \\ \hline 1201_3 \end{array}$$

$$\begin{array}{r} 1220_3 \\ + 2111_3 \\ \hline 11101_3 \end{array}$$

$$\begin{array}{r} 1011_3 \\ + 2111_3 \\ \hline 10122_3 \end{array}$$

$$\begin{array}{r} 11201_3 \\ - 2222_3 \\ \hline 1202_3 \end{array}$$

$$\begin{array}{r} 2002_3 \\ + 2111_3 \\ \hline 11120_3 \end{array}$$

$$\begin{array}{r} 10111_3 \\ - 2011_3 \\ \hline 1100_3 \end{array}$$

$$\begin{array}{r} 11212_3 \\ - 1220_3 \\ \hline 2222_3 \end{array}$$

$$\begin{array}{r} 10200_3 \\ - 1200_3 \\ \hline 2000_3 \end{array}$$

$$\begin{array}{r} 2222_3 \\ - 1202_3 \\ \hline 1020_3 \end{array}$$

$$\begin{array}{r} 1210_3 \\ + 1021_3 \\ \hline 10001_3 \end{array}$$

$$\begin{array}{r} 1101_3 \\ + 2110_3 \\ \hline 10211_3 \end{array}$$

$$\begin{array}{r} 11022_3 \\ - 1122_3 \\ \hline 2200_3 \end{array}$$

$$\begin{array}{r} 2101_3 \\ - 1022_3 \\ \hline 1002_3 \end{array}$$

$$\begin{array}{r} 2021_3 \\ + 2110_3 \\ \hline 11201_3 \end{array}$$

Adding/Subtracting Ternary Numbers (I)

Calculate each sum or difference.

$$\begin{array}{r} 2122_3 \\ + 1211_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11012_3 \\ - 2120_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2111_3 \\ + 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1000_3 \\ + 2001_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12121_3 \\ - 2222_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11112_3 \\ - 1210_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10201_3 \\ - 2112_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2220_3 \\ - 1121_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10100_3 \\ - 1122_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11122_3 \\ - 1202_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10002_3 \\ - 1001_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2100_3 \\ + 2200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1200_3 \\ + 1021_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1121_3 \\ + 2010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2102_3 \\ + 2211_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2001_3 \\ + 2220_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11002_3 \\ - 2121_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1222_3 \\ + 1001_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2022_3 \\ + 1020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1222_3 \\ + 1122_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (I) Answers

Calculate each sum or difference.

$$\begin{array}{r} 2122_3 \\ + 1211_3 \\ \hline 11110_3 \end{array}$$

$$\begin{array}{r} 11012_3 \\ - 2120_3 \\ \hline 1122_3 \end{array}$$

$$\begin{array}{r} 2111_3 \\ + 2111_3 \\ \hline 11222_3 \end{array}$$

$$\begin{array}{r} 1000_3 \\ + 2001_3 \\ \hline 10001_3 \end{array}$$

$$\begin{array}{r} 12121_3 \\ - 2222_3 \\ \hline 2122_3 \end{array}$$

$$\begin{array}{r} 11112_3 \\ - 1210_3 \\ \hline 2202_3 \end{array}$$

$$\begin{array}{r} 10201_3 \\ - 2112_3 \\ \hline 1012_3 \end{array}$$

$$\begin{array}{r} 2220_3 \\ - 1121_3 \\ \hline 1022_3 \end{array}$$

$$\begin{array}{r} 10100_3 \\ - 1122_3 \\ \hline 1201_3 \end{array}$$

$$\begin{array}{r} 11122_3 \\ - 1202_3 \\ \hline 2220_3 \end{array}$$

$$\begin{array}{r} 10002_3 \\ - 1001_3 \\ \hline 2001_3 \end{array}$$

$$\begin{array}{r} 2100_3 \\ + 2200_3 \\ \hline 12000_3 \end{array}$$

$$\begin{array}{r} 1200_3 \\ + 1021_3 \\ \hline 2221_3 \end{array}$$

$$\begin{array}{r} 1121_3 \\ + 2010_3 \\ \hline 10201_3 \end{array}$$

$$\begin{array}{r} 2102_3 \\ + 2211_3 \\ \hline 12020_3 \end{array}$$

$$\begin{array}{r} 2001_3 \\ + 2220_3 \\ \hline 11221_3 \end{array}$$

$$\begin{array}{r} 11002_3 \\ - 2121_3 \\ \hline 1111_3 \end{array}$$

$$\begin{array}{r} 1222_3 \\ + 1001_3 \\ \hline 10000_3 \end{array}$$

$$\begin{array}{r} 2022_3 \\ + 1020_3 \\ \hline 10112_3 \end{array}$$

$$\begin{array}{r} 1222_3 \\ + 1122_3 \\ \hline 10121_3 \end{array}$$

Adding/Subtracting Ternary Numbers (J)

Calculate each sum or difference.

$$\begin{array}{r} 10000_3 \\ - 1011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10200_3 \\ - 2122_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2211_3 \\ - 1201_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11220_3 \\ - 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10022_3 \\ - 1000_3 \\ \hline \end{array}$$

$$\begin{array}{r} 12000_3 \\ - 2111_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10110_3 \\ - 2102_3 \\ \hline \end{array}$$

$$\begin{array}{r} 10002_3 \\ - 1002_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1211_3 \\ + 2212_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2012_3 \\ + 1001_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1100_3 \\ + 2200_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2102_3 \\ - 1102_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2210_3 \\ - 1011_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2121_3 \\ + 1121_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1120_3 \\ + 1010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1000_3 \\ + 2020_3 \\ \hline \end{array}$$

$$\begin{array}{r} 1021_3 \\ + 2010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2211_3 \\ + 1121_3 \\ \hline \end{array}$$

$$\begin{array}{r} 2221_3 \\ + 1010_3 \\ \hline \end{array}$$

$$\begin{array}{r} 11021_3 \\ - 2122_3 \\ \hline \end{array}$$

Adding/Subtracting Ternary Numbers (J) Answers

Calculate each sum or difference.

$$\begin{array}{r} 10000_3 \\ - 1011_3 \\ \hline 1212_3 \end{array}$$

$$\begin{array}{r} 10200_3 \\ - 2122_3 \\ \hline 1001_3 \end{array}$$

$$\begin{array}{r} 2211_3 \\ - 1201_3 \\ \hline 1010_3 \end{array}$$

$$\begin{array}{r} 11220_3 \\ - 2111_3 \\ \hline 2102_3 \end{array}$$

$$\begin{array}{r} 10022_3 \\ - 1000_3 \\ \hline 2022_3 \end{array}$$

$$\begin{array}{r} 12000_3 \\ - 2111_3 \\ \hline 2112_3 \end{array}$$

$$\begin{array}{r} 10110_3 \\ - 2102_3 \\ \hline 1001_3 \end{array}$$

$$\begin{array}{r} 10002_3 \\ - 1002_3 \\ \hline 2000_3 \end{array}$$

$$\begin{array}{r} 1211_3 \\ + 2212_3 \\ \hline 11200_3 \end{array}$$

$$\begin{array}{r} 2012_3 \\ + 1001_3 \\ \hline 10020_3 \end{array}$$

$$\begin{array}{r} 1100_3 \\ + 2200_3 \\ \hline 11000_3 \end{array}$$

$$\begin{array}{r} 2102_3 \\ - 1102_3 \\ \hline 1000_3 \end{array}$$

$$\begin{array}{r} 2210_3 \\ - 1011_3 \\ \hline 1122_3 \end{array}$$

$$\begin{array}{r} 2121_3 \\ + 1121_3 \\ \hline 11012_3 \end{array}$$

$$\begin{array}{r} 1120_3 \\ + 1010_3 \\ \hline 2200_3 \end{array}$$

$$\begin{array}{r} 1000_3 \\ + 2020_3 \\ \hline 10020_3 \end{array}$$

$$\begin{array}{r} 1021_3 \\ + 2010_3 \\ \hline 10101_3 \end{array}$$

$$\begin{array}{r} 2211_3 \\ + 1121_3 \\ \hline 11102_3 \end{array}$$

$$\begin{array}{r} 2221_3 \\ + 1010_3 \\ \hline 11001_3 \end{array}$$

$$\begin{array}{r} 11021_3 \\ - 2122_3 \\ \hline 1122_3 \end{array}$$