

Operations with Quaternary Numbers (A)

Calculate each answer.

$$\begin{array}{r} 3002_4 \\ \times 10_4 \\ \hline \end{array}$$

$$20_4 \overline{)2000_4}$$

$$\begin{array}{r} 2021_4 \\ + 3113_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2331_4 \\ - 1103_4 \\ \hline \end{array}$$

$$13_4 \overline{)21030_4}$$

$$\begin{array}{r} 2133_4 \\ \times 20_4 \\ \hline \end{array}$$

$$\begin{array}{r} 121_4 \\ \times 13_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3113_4 \\ + 2113_4 \\ \hline \end{array}$$

$$33_4 \overline{)232023_4}$$

$$\begin{array}{r} 2212_4 \\ + 3003_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2213_4 \\ + 222_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1230_4 \\ \times 11_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10010_4 \\ - 312_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2303_4 \\ + 1131_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10202_4 \\ - 1011_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2122_4 \\ + 1200_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2232_4 \\ + 3002_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2102_4 \\ \times 30_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3303_4 \\ - 2032_4 \\ \hline \end{array}$$

$$\begin{array}{r} 313_4 \\ \times 32_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (A) Answers

Calculate each answer.

$$\begin{array}{r} 3002_4 \\ \times 10_4 \\ \hline 30020_4 \end{array}$$

$$\begin{array}{r} 100_4 \\ 20_4 \overline{)2000_4} \end{array}$$

$$\begin{array}{r} 2021_4 \\ + 3113_4 \\ \hline 11200_4 \end{array}$$

$$\begin{array}{r} 2331_4 \\ - 1103_4 \\ \hline 1222_4 \end{array}$$

$$\begin{array}{r} 1110_4 \\ 13_4 \overline{)21030_4} \end{array}$$

$$\begin{array}{r} 2133_4 \\ \times 20_4 \\ \hline 103320_4 \end{array}$$

$$\begin{array}{r} 121_4 \\ \times 13_4 \\ \hline 2233_4 \end{array}$$

$$\begin{array}{r} 3113_4 \\ + 2113_4 \\ \hline 11232_4 \end{array}$$

$$\begin{array}{r} 3011_4 \\ 33_4 \overline{)232023_4} \end{array}$$

$$\begin{array}{r} 2212_4 \\ + 3003_4 \\ \hline 11221_4 \end{array}$$

$$\begin{array}{r} 2213_4 \\ + 222_4 \\ \hline 3101_4 \end{array}$$

$$\begin{array}{r} 1230_4 \\ \times 11_4 \\ \hline 20130_4 \end{array}$$

$$\begin{array}{r} 10010_4 \\ - 312_4 \\ \hline 3032_4 \end{array}$$

$$\begin{array}{r} 2303_4 \\ + 1131_4 \\ \hline 10100_4 \end{array}$$

$$\begin{array}{r} 10202_4 \\ - 1011_4 \\ \hline 3131_4 \end{array}$$

$$\begin{array}{r} 2122_4 \\ + 1200_4 \\ \hline 3322_4 \end{array}$$

$$\begin{array}{r} 2232_4 \\ + 3002_4 \\ \hline 11300_4 \end{array}$$

$$\begin{array}{r} 2102_4 \\ \times 30_4 \\ \hline 123120_4 \end{array}$$

$$\begin{array}{r} 3303_4 \\ - 2032_4 \\ \hline 1211_4 \end{array}$$

$$\begin{array}{r} 313_4 \\ \times 32_4 \\ \hline 30002_4 \end{array}$$

Operations with Quaternary Numbers (B)

Calculate each answer.

$$\begin{array}{r} 2221_4 \\ + 3200_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3301_4 \\ + 1332_4 \\ \hline \end{array}$$

$$10_4 \overline{)10230_4}$$

$$\begin{array}{r} 1123_4 \\ \times 30_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1201_4 \\ \times 22_4 \\ \hline \end{array}$$

$$\begin{array}{r} 11100_4 \\ - 1311_4 \\ \hline \end{array}$$

$$21_4 \overline{)122130_4}$$

$$33_4 \overline{)33330_4}$$

$$22_4 \overline{)10202_4}$$

$$\begin{array}{r} 3313_4 \\ + 3010_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3030_4 \\ + 2122_4 \\ \hline \end{array}$$

$$\begin{array}{r} 12033_4 \\ - 3302_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3010_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2122_4 \\ - 1102_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1203_4 \\ \times 2_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3123_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3322_4 \\ - 1212_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2111_4 \\ + 3112_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2312_4 \\ + 3011_4 \\ \hline \end{array}$$

$$\begin{array}{r} 331_4 \\ + 1111_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (B) Answers

Calculate each answer.

$$\begin{array}{r} 2221_4 \\ + 3200_4 \\ \hline 12021_4 \end{array}$$

$$\begin{array}{r} 3301_4 \\ + 1332_4 \\ \hline 11233_4 \end{array}$$

$$10_4 \overline{)10230_4} \begin{array}{l} 1023_4 \end{array}$$

$$\begin{array}{r} 1123_4 \\ \times 30_4 \\ \hline 101010_4 \end{array}$$

$$\begin{array}{r} 1201_4 \\ \times 22_4 \\ \hline 33022_4 \end{array}$$

$$\begin{array}{r} 11100_4 \\ - 1311_4 \\ \hline 3123_4 \end{array}$$

$$21_4 \overline{)122130_4} \begin{array}{l} 2330_4 \end{array}$$

$$33_4 \overline{)33330_4} \begin{array}{l} 1010_4 \end{array}$$

$$22_4 \overline{)10202_4} \begin{array}{l} 131_4 \end{array}$$

$$\begin{array}{r} 3313_4 \\ + 3010_4 \\ \hline 12323_4 \end{array}$$

$$\begin{array}{r} 3030_4 \\ + 2122_4 \\ \hline 11212_4 \end{array}$$

$$\begin{array}{r} 12033_4 \\ - 3302_4 \\ \hline 2131_4 \end{array}$$

$$\begin{array}{r} 3010_4 \\ \times 33_4 \\ \hline 231330_4 \end{array}$$

$$\begin{array}{r} 2122_4 \\ - 1102_4 \\ \hline 1020_4 \end{array}$$

$$\begin{array}{r} 1203_4 \\ \times 2_4 \\ \hline 3012_4 \end{array}$$

$$\begin{array}{r} 3123_4 \\ \times 33_4 \\ \hline 303111_4 \end{array}$$

$$\begin{array}{r} 3322_4 \\ - 1212_4 \\ \hline 2110_4 \end{array}$$

$$\begin{array}{r} 2111_4 \\ + 3112_4 \\ \hline 11223_4 \end{array}$$

$$\begin{array}{r} 2312_4 \\ + 3011_4 \\ \hline 11323_4 \end{array}$$

$$\begin{array}{r} 331_4 \\ + 1111_4 \\ \hline 2102_4 \end{array}$$

Operations with Quaternary Numbers (C)

Calculate each answer.

$$\begin{array}{r} 103_4 \\ + 3103_4 \\ \hline \end{array}$$

$$3_4 \overline{)23133_4}$$

$$\begin{array}{r} 321_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1130_4 \\ \times 31_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3211_4 \\ - 1312_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10112_4 \\ - 1022_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3313_4 \\ - 2101_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10100_4 \\ - 3222_4 \\ \hline \end{array}$$

$$\begin{array}{r} 12210_4 \\ - 3022_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2033_4 \\ \times 11_4 \\ \hline \end{array}$$

$$\begin{array}{r} 221_4 \\ \times 13_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3020_4 \\ + 103_4 \\ \hline \end{array}$$

$$\begin{array}{r} 320_4 \\ \times 2_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1022_4 \\ \times 11_4 \\ \hline \end{array}$$

$$\begin{array}{r} 203_4 \\ \times 2_4 \\ \hline \end{array}$$

$$23_4 \overline{)133131_4}$$

$$\begin{array}{r} 3323_4 \\ \times 31_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2033_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2310_4 \\ - 1031_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10103_4 \\ - 121_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (C) Answers

Calculate each answer.

$$\begin{array}{r} 103_4 \\ + 3103_4 \\ \hline 3212_4 \end{array}$$

$$\begin{array}{r} 3311_4 \\ 3_4 \overline{)23133_4} \end{array}$$

$$\begin{array}{r} 321_4 \\ \times 33_4 \\ \hline 31113_4 \end{array}$$

$$\begin{array}{r} 1130_4 \\ \times 31_4 \\ \hline 102230_4 \end{array}$$

$$\begin{array}{r} 3211_4 \\ - 1312_4 \\ \hline 1233_4 \end{array}$$

$$\begin{array}{r} 10112_4 \\ - 1022_4 \\ \hline 3030_4 \end{array}$$

$$\begin{array}{r} 3313_4 \\ - 2101_4 \\ \hline 1212_4 \end{array}$$

$$\begin{array}{r} 10100_4 \\ - 3222_4 \\ \hline 212_4 \end{array}$$

$$\begin{array}{r} 12210_4 \\ - 3022_4 \\ \hline 3122_4 \end{array}$$

$$\begin{array}{r} 2033_4 \\ \times 11_4 \\ \hline 23023_4 \end{array}$$

$$\begin{array}{r} 221_4 \\ \times 13_4 \\ \hline 10133_4 \end{array}$$

$$\begin{array}{r} 3020_4 \\ + 103_4 \\ \hline 3123_4 \end{array}$$

$$\begin{array}{r} 320_4 \\ \times 2_4 \\ \hline 1300_4 \end{array}$$

$$\begin{array}{r} 1022_4 \\ \times 11_4 \\ \hline 11302_4 \end{array}$$

$$\begin{array}{r} 203_4 \\ \times 2_4 \\ \hline 1012_4 \end{array}$$

$$\begin{array}{r} 2313_4 \\ 23_4 \overline{)133131_4} \end{array}$$

$$\begin{array}{r} 3323_4 \\ \times 31_4 \\ \hline 302333_4 \end{array}$$

$$\begin{array}{r} 2033_4 \\ \times 3_4 \\ \hline 12231_4 \end{array}$$

$$\begin{array}{r} 2310_4 \\ - 1031_4 \\ \hline 1213_4 \end{array}$$

$$\begin{array}{r} 10103_4 \\ - 121_4 \\ \hline 3322_4 \end{array}$$

Operations with Quaternary Numbers (D)

Calculate each answer.

$$\begin{array}{r} 100_4 \\ \times 30_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3320_4 \\ \times 33_4 \\ \hline \end{array}$$

$$31_4 \overline{)121303_4}$$

$$\begin{array}{r} 1202_4 \\ - 221_4 \\ \hline \end{array}$$

$$13_4 \overline{)123223_4}$$

$$\begin{array}{r} 3102_4 \\ + 122_4 \\ \hline \end{array}$$

$$\begin{array}{r} 12123_4 \\ - 3322_4 \\ \hline \end{array}$$

$$\begin{array}{r} 301_4 \\ \times 32_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3113_4 \\ + 1122_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1200_4 \\ \times 21_4 \\ \hline \end{array}$$

$$21_4 \overline{)102333_4}$$

$$\begin{array}{r} 3301_4 \\ + 3231_4 \\ \hline \end{array}$$

$$31_4 \overline{)303121_4}$$

$$2_4 \overline{)3210_4}$$

$$\begin{array}{r} 2332_4 \\ + 1300_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3232_4 \\ - 1311_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3100_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 333_4 \\ \times 23_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3012_4 \\ + 1221_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2221_4 \\ + 133_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (D) Answers

Calculate each answer.

$$\begin{array}{r} 100_4 \\ \times 30_4 \\ \hline 3000_4 \end{array}$$

$$\begin{array}{r} 3320_4 \\ \times 33_4 \\ \hline 322020_4 \end{array}$$

$$\begin{array}{r} 1333_4 \\ 31_4 \overline{)121303_4} \end{array}$$

$$\begin{array}{r} 1202_4 \\ - 221_4 \\ \hline 321_4 \end{array}$$

$$\begin{array}{r} 3331_4 \\ 13_4 \overline{)123223_4} \end{array}$$

$$\begin{array}{r} 3102_4 \\ + 122_4 \\ \hline 3230_4 \end{array}$$

$$\begin{array}{r} 12123_4 \\ - 3322_4 \\ \hline 2201_4 \end{array}$$

$$\begin{array}{r} 301_4 \\ \times 32_4 \\ \hline 22232_4 \end{array}$$

$$\begin{array}{r} 3113_4 \\ + 1122_4 \\ \hline 10301_4 \end{array}$$

$$\begin{array}{r} 1200_4 \\ \times 21_4 \\ \hline 31200_4 \end{array}$$

$$\begin{array}{r} 2013_4 \\ 21_4 \overline{)102333_4} \end{array}$$

$$\begin{array}{r} 3301_4 \\ + 3231_4 \\ \hline 13132_4 \end{array}$$

$$\begin{array}{r} 3331_4 \\ 31_4 \overline{)303121_4} \end{array}$$

$$\begin{array}{r} 1302_4 \\ 2_4 \overline{)3210_4} \end{array}$$

$$\begin{array}{r} 2332_4 \\ + 1300_4 \\ \hline 10232_4 \end{array}$$

$$\begin{array}{r} 3232_4 \\ - 1311_4 \\ \hline 1321_4 \end{array}$$

$$\begin{array}{r} 3100_4 \\ \times 33_4 \\ \hline 300300_4 \end{array}$$

$$\begin{array}{r} 333_4 \\ \times 23_4 \\ \hline 22311_4 \end{array}$$

$$\begin{array}{r} 3012_4 \\ + 1221_4 \\ \hline 10233_4 \end{array}$$

$$\begin{array}{r} 2221_4 \\ + 133_4 \\ \hline 3020_4 \end{array}$$

Operations with Quaternary Numbers (E)

Calculate each answer.

$$\begin{array}{r} 3121_4 \\ \times 31_4 \\ \hline \end{array}$$

$$11_4 \overline{)33313_4}$$

$$\begin{array}{r} 3013_4 \\ - 1033_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10103_4 \\ - 3011_4 \\ \hline \end{array}$$

$$20_4 \overline{)100020_4}$$

$$\begin{array}{r} 3310_4 \\ \times 13_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1130_4 \\ \times 10_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3313_4 \\ \times 22_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1223_4 \\ + 2133_4 \\ \hline \end{array}$$

$$32_4 \overline{)231232_4}$$

$$\begin{array}{r} 1002_4 \\ + 301_4 \\ \hline \end{array}$$

$$21_4 \overline{)113133_4}$$

$$\begin{array}{r} 3230_4 \\ - 1132_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1000_4 \\ + 212_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3302_4 \\ + 2323_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2332_4 \\ \times 13_4 \\ \hline \end{array}$$

$$\begin{array}{r} 12220_4 \\ - 2323_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3012_4 \\ \times 32_4 \\ \hline \end{array}$$

$$\begin{array}{r} 313_4 \\ \times 20_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2211_4 \\ + 3030_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (E) Answers

Calculate each answer.

$$\begin{array}{r} 3121_4 \\ \times 31_4 \\ \hline 230011_4 \end{array}$$

$$\begin{array}{r} 3023_4 \\ 11_4 \overline{)33313_4} \end{array}$$

$$\begin{array}{r} 3013_4 \\ - 1033_4 \\ \hline 1320_4 \end{array}$$

$$\begin{array}{r} 10103_4 \\ - 3011_4 \\ \hline 1032_4 \end{array}$$

$$\begin{array}{r} 2001_4 \\ 20_4 \overline{)100020_4} \end{array}$$

$$\begin{array}{r} 3310_4 \\ \times 13_4 \\ \hline 122230_4 \end{array}$$

$$\begin{array}{r} 1130_4 \\ \times 10_4 \\ \hline 11300_4 \end{array}$$

$$\begin{array}{r} 3313_4 \\ \times 22_4 \\ \hline 212212_4 \end{array}$$

$$\begin{array}{r} 1223_4 \\ + 2133_4 \\ \hline 10022_4 \end{array}$$

$$\begin{array}{r} 3101_4 \\ 32_4 \overline{)231232_4} \end{array}$$

$$\begin{array}{r} 1002_4 \\ + 301_4 \\ \hline 1303_4 \end{array}$$

$$\begin{array}{r} 2213_4 \\ 21_4 \overline{)113133_4} \end{array}$$

$$\begin{array}{r} 3230_4 \\ - 1132_4 \\ \hline 2032_4 \end{array}$$

$$\begin{array}{r} 1000_4 \\ + 212_4 \\ \hline 1212_4 \end{array}$$

$$\begin{array}{r} 3302_4 \\ + 2323_4 \\ \hline 12231_4 \end{array}$$

$$\begin{array}{r} 2332_4 \\ \times 13_4 \\ \hline 110302_4 \end{array}$$

$$\begin{array}{r} 12220_4 \\ - 2323_4 \\ \hline 3231_4 \end{array}$$

$$\begin{array}{r} 3012_4 \\ \times 32_4 \\ \hline 223110_4 \end{array}$$

$$\begin{array}{r} 313_4 \\ \times 20_4 \\ \hline 12320_4 \end{array}$$

$$\begin{array}{r} 2211_4 \\ + 3030_4 \\ \hline 11301_4 \end{array}$$

Operations with Quaternary Numbers (F)

Calculate each answer.

$$\begin{array}{r} 3113_4 \\ - 2103_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3012_4 \\ + 1201_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10320_4 \\ - 2333_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2120_4 \\ + 2212_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1033_4 \\ + 2232_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3323_4 \\ + 1023_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3211_4 \\ + 3031_4 \\ \hline \end{array}$$

$$\begin{array}{r} 11221_4 \\ - 2223_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3002_4 \\ \times 32_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1110_4 \\ \times 32_4 \\ \hline \end{array}$$

$$11_4 \overline{)3223_4}$$

$$2_4 \overline{)1102_4}$$

$$\begin{array}{r} 2332_4 \\ + 2031_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1201_4 \\ + 3333_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2320_4 \\ + 222_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1323_4 \\ + 2322_4 \\ \hline \end{array}$$

$$22_4 \overline{)202120_4}$$

$$\begin{array}{r} 2012_4 \\ + 1220_4 \\ \hline \end{array}$$

$$2_4 \overline{)2210_4}$$

$$\begin{array}{r} 2002_4 \\ \times 12_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (F) Answers

Calculate each answer.

$$\begin{array}{r} 3113_4 \\ - 2103_4 \\ \hline 1010_4 \end{array}$$

$$\begin{array}{r} 3012_4 \\ + 1201_4 \\ \hline 10213_4 \end{array}$$

$$\begin{array}{r} 10320_4 \\ - 2333_4 \\ \hline 1321_4 \end{array}$$

$$\begin{array}{r} 2120_4 \\ + 2212_4 \\ \hline 10332_4 \end{array}$$

$$\begin{array}{r} 1033_4 \\ + 2232_4 \\ \hline 3331_4 \end{array}$$

$$\begin{array}{r} 3323_4 \\ + 1023_4 \\ \hline 11012_4 \end{array}$$

$$\begin{array}{r} 3211_4 \\ + 3031_4 \\ \hline 12302_4 \end{array}$$

$$\begin{array}{r} 11221_4 \\ - 2223_4 \\ \hline 2332_4 \end{array}$$

$$\begin{array}{r} 3002_4 \\ \times 32_4 \\ \hline 222130_4 \end{array}$$

$$\begin{array}{r} 1110_4 \\ \times 32_4 \\ \hline 102120_4 \end{array}$$

$$\begin{array}{r} 233_4 \\ 11_4 \overline{)3223_4} \end{array}$$

$$\begin{array}{r} 221_4 \\ 2_4 \overline{)1102_4} \end{array}$$

$$\begin{array}{r} 2332_4 \\ + 2031_4 \\ \hline 11023_4 \end{array}$$

$$\begin{array}{r} 1201_4 \\ + 3333_4 \\ \hline 11200_4 \end{array}$$

$$\begin{array}{r} 2320_4 \\ + 222_4 \\ \hline 3202_4 \end{array}$$

$$\begin{array}{r} 1323_4 \\ + 2322_4 \\ \hline 10311_4 \end{array}$$

$$\begin{array}{r} 3130_4 \\ 22_4 \overline{)202120_4} \end{array}$$

$$\begin{array}{r} 2012_4 \\ + 1220_4 \\ \hline 3232_4 \end{array}$$

$$\begin{array}{r} 1102_4 \\ 2_4 \overline{)2210_4} \end{array}$$

$$\begin{array}{r} 2002_4 \\ \times 12_4 \\ \hline 30030_4 \end{array}$$

Operations with Quaternary Numbers (G)

Calculate each answer.

$$10_4 \overline{)32000_4}$$

$$\begin{array}{r} 1123_4 \\ + 3201_4 \\ \hline \end{array}$$

$$\begin{array}{r} 330_4 \\ - 201_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10012_4 \\ - 3133_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1310_4 \\ + 2201_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1213_4 \\ \times 11_4 \\ \hline \end{array}$$

$$\begin{array}{r} 10230_4 \\ - 2300_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2023_4 \\ + 2010_4 \\ \hline \end{array}$$

$$31_4 \overline{)101101_4}$$

$$23_4 \overline{)33103_4}$$

$$\begin{array}{r} 2322_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1233_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 11020_4 \\ - 2210_4 \\ \hline \end{array}$$

$$\begin{array}{r} 130_4 \\ \times 23_4 \\ \hline \end{array}$$

$$\begin{array}{r} 11322_4 \\ - 3233_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3213_4 \\ - 3100_4 \\ \hline \end{array}$$

$$2_4 \overline{)2332_4}$$

$$\begin{array}{r} 1222_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2130_4 \\ \times 10_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1220_4 \\ - 222_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (G) Answers

Calculate each answer.

$$\begin{array}{r} 3200_4 \\ 10_4 \overline{)32000_4} \end{array}$$

$$\begin{array}{r} 1123_4 \\ + 3201_4 \\ \hline 10330_4 \end{array}$$

$$\begin{array}{r} 330_4 \\ - 201_4 \\ \hline 123_4 \end{array}$$

$$\begin{array}{r} 10012_4 \\ - 3133_4 \\ \hline 213_4 \end{array}$$

$$\begin{array}{r} 1310_4 \\ + 2201_4 \\ \hline 10111_4 \end{array}$$

$$\begin{array}{r} 1213_4 \\ \times 11_4 \\ \hline 20003_4 \end{array}$$

$$\begin{array}{r} 10230_4 \\ - 2300_4 \\ \hline 1330_4 \end{array}$$

$$\begin{array}{r} 2023_4 \\ + 2010_4 \\ \hline 10033_4 \end{array}$$

$$\begin{array}{r} 1111_4 \\ 31_4 \overline{)101101_4} \end{array}$$

$$\begin{array}{r} 1121_4 \\ 23_4 \overline{)33103_4} \end{array}$$

$$\begin{array}{r} 2322_4 \\ \times 33_4 \\ \hline 223212_4 \end{array}$$

$$\begin{array}{r} 1233_4 \\ \times 3_4 \\ \hline 11031_4 \end{array}$$

$$\begin{array}{r} 11020_4 \\ - 2210_4 \\ \hline 2210_4 \end{array}$$

$$\begin{array}{r} 130_4 \\ \times 23_4 \\ \hline 10310_4 \end{array}$$

$$\begin{array}{r} 11322_4 \\ - 3233_4 \\ \hline 2023_4 \end{array}$$

$$\begin{array}{r} 3213_4 \\ - 3100_4 \\ \hline 113_4 \end{array}$$

$$\begin{array}{r} 1133_4 \\ 2_4 \overline{)2332_4} \end{array}$$

$$\begin{array}{r} 1222_4 \\ \times 33_4 \\ \hline 120312_4 \end{array}$$

$$\begin{array}{r} 2130_4 \\ \times 10_4 \\ \hline 21300_4 \end{array}$$

$$\begin{array}{r} 1220_4 \\ - 222_4 \\ \hline 332_4 \end{array}$$

Operations with Quaternary Numbers (H)

Calculate each answer.

$$11_4 \overline{)12303_4}$$

$$\begin{array}{r} 1320_4 \\ + 1333_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3001_4 \\ \times 10_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2033_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1200_4 \\ + 1312_4 \\ \hline \end{array}$$

$$13_4 \overline{)103322_4}$$

$$\begin{array}{r} 11032_4 \\ - 1131_4 \\ \hline \end{array}$$

$$13_4 \overline{)30132_4}$$

$$\begin{array}{r} 3222_4 \\ + 2202_4 \\ \hline \end{array}$$

$$11_4 \overline{)3322_4}$$

$$\begin{array}{r} 3312_4 \\ \times 30_4 \\ \hline \end{array}$$

$$20_4 \overline{)30220_4}$$

$$3_4 \overline{)13230_4}$$

$$\begin{array}{r} 332_4 \\ \times 31_4 \\ \hline \end{array}$$

$$13_4 \overline{)13222_4}$$

$$3_4 \overline{)20331_4}$$

$$\begin{array}{r} 1110_4 \\ - 322_4 \\ \hline \end{array}$$

$$\begin{array}{r} 12213_4 \\ - 3022_4 \\ \hline \end{array}$$

$$\begin{array}{r} 210_4 \\ \times 22_4 \\ \hline \end{array}$$

$$10_4 \overline{)13320_4}$$

Operations with Quaternary Numbers (H) Answers

Calculate each answer.

$$\begin{array}{r} 1113_4 \\ 11_4 \overline{)12303_4} \end{array}$$

$$\begin{array}{r} 1320_4 \\ + 1333_4 \\ \hline 3313_4 \end{array}$$

$$\begin{array}{r} 3001_4 \\ \times 10_4 \\ \hline 30010_4 \end{array}$$

$$\begin{array}{r} 2033_4 \\ \times 3_4 \\ \hline 12231_4 \end{array}$$

$$\begin{array}{r} 1200_4 \\ + 1312_4 \\ \hline 3112_4 \end{array}$$

$$\begin{array}{r} 2312_4 \\ 13_4 \overline{)103322_4} \end{array}$$

$$\begin{array}{r} 11032_4 \\ - 1131_4 \\ \hline 3301_4 \end{array}$$

$$\begin{array}{r} 1302_4 \\ 13_4 \overline{)30132_4} \end{array}$$

$$\begin{array}{r} 3222_4 \\ + 2202_4 \\ \hline 12030_4 \end{array}$$

$$\begin{array}{r} 302_4 \\ 11_4 \overline{)3322_4} \end{array}$$

$$\begin{array}{r} 3312_4 \\ \times 30_4 \\ \hline 232020_4 \end{array}$$

$$\begin{array}{r} 1211_4 \\ 20_4 \overline{)30220_4} \end{array}$$

$$\begin{array}{r} 2210_4 \\ 3_4 \overline{)13230_4} \end{array}$$

$$\begin{array}{r} 332_4 \\ \times 31_4 \\ \hline 30212_4 \end{array}$$

$$\begin{array}{r} 1012_4 \\ 13_4 \overline{)13222_4} \end{array}$$

$$\begin{array}{r} 2333_4 \\ 3_4 \overline{)20331_4} \end{array}$$

$$\begin{array}{r} 1110_4 \\ - 322_4 \\ \hline 122_4 \end{array}$$

$$\begin{array}{r} 12213_4 \\ - 3022_4 \\ \hline 3131_4 \end{array}$$

$$\begin{array}{r} 210_4 \\ \times 22_4 \\ \hline 11220_4 \end{array}$$

$$\begin{array}{r} 1332_4 \\ 10_4 \overline{)13320_4} \end{array}$$

Operations with Quaternary Numbers (I)

Calculate each answer.

$$13_4 \overline{)2331_4}$$

$$22_4 \overline{)31020_4}$$

$$\begin{array}{r} 232_4 \\ + 110_4 \\ \hline \end{array}$$

$$32_4 \overline{)23120_4}$$

$$\begin{array}{r} 2212_4 \\ + 1200_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1202_4 \\ \times 31_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2130_4 \\ + 1322_4 \\ \hline \end{array}$$

$$10_4 \overline{)13010_4}$$

$$3_4 \overline{)3111_4}$$

$$\begin{array}{r} 11100_4 \\ - 3303_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2120_4 \\ + 1200_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2001_4 \\ \times 33_4 \\ \hline \end{array}$$

$$20_4 \overline{)111000_4}$$

$$\begin{array}{r} 13130_4 \\ - 3321_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1311_4 \\ + 1122_4 \\ \hline \end{array}$$

$$\begin{array}{r} 11011_4 \\ - 3003_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2013_4 \\ - 222_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2232_4 \\ - 1032_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2222_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2112_4 \\ \times 23_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (I) Answers

Calculate each answer.

$$\begin{array}{r} 123_4 \\ 13_4 \overline{)2331_4} \end{array}$$

$$\begin{array}{r} 1110_4 \\ 22_4 \overline{)31020_4} \end{array}$$

$$\begin{array}{r} 232_4 \\ + 110_4 \\ \hline 1002_4 \end{array}$$

$$\begin{array}{r} 310_4 \\ 32_4 \overline{)23120_4} \end{array}$$

$$\begin{array}{r} 2212_4 \\ + 1200_4 \\ \hline 10012_4 \end{array}$$

$$\begin{array}{r} 1202_4 \\ \times 31_4 \\ \hline 103322_4 \end{array}$$

$$\begin{array}{r} 2130_4 \\ + 1322_4 \\ \hline 10112_4 \end{array}$$

$$\begin{array}{r} 1301_4 \\ 10_4 \overline{)13010_4} \end{array}$$

$$\begin{array}{r} 1013_4 \\ 3_4 \overline{)3111_4} \end{array}$$

$$\begin{array}{r} 11100_4 \\ - 3303_4 \\ \hline 1131_4 \end{array}$$

$$\begin{array}{r} 2120_4 \\ + 1200_4 \\ \hline 3320_4 \end{array}$$

$$\begin{array}{r} 2001_4 \\ \times 33_4 \\ \hline 132033_4 \end{array}$$

$$\begin{array}{r} 2220_4 \\ 20_4 \overline{)111000_4} \end{array}$$

$$\begin{array}{r} 13130_4 \\ - 3321_4 \\ \hline 3203_4 \end{array}$$

$$\begin{array}{r} 1311_4 \\ + 1122_4 \\ \hline 3033_4 \end{array}$$

$$\begin{array}{r} 11011_4 \\ - 3003_4 \\ \hline 2002_4 \end{array}$$

$$\begin{array}{r} 2013_4 \\ - 222_4 \\ \hline 1131_4 \end{array}$$

$$\begin{array}{r} 2232_4 \\ - 1032_4 \\ \hline 1200_4 \end{array}$$

$$\begin{array}{r} 2222_4 \\ \times 3_4 \\ \hline 13332_4 \end{array}$$

$$\begin{array}{r} 2112_4 \\ \times 23_4 \\ \hline 121302_4 \end{array}$$

Operations with Quaternary Numbers (J)

Calculate each answer.

$$\begin{array}{r} 1002_4 \\ + 3131_4 \\ \hline \end{array}$$

$$\begin{array}{r} 313_4 \\ \times 11_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2003_4 \\ + 1301_4 \\ \hline \end{array}$$

$$22_4 \overline{)20102_4}$$

$$22_4 \overline{)213230_4}$$

$$\begin{array}{r} 1011_4 \\ \times 11_4 \\ \hline \end{array}$$

$$31_4 \overline{)22022_4}$$

$$\begin{array}{r} 1223_4 \\ \times 32_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1310_4 \\ + 1020_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3000_4 \\ + 3010_4 \\ \hline \end{array}$$

$$3_4 \overline{)12300_4}$$

$$\begin{array}{r} 3102_4 \\ + 3313_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3032_4 \\ \times 31_4 \\ \hline \end{array}$$

$$\begin{array}{r} 111_4 \\ + 220_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2213_4 \\ + 2113_4 \\ \hline \end{array}$$

$$32_4 \overline{)201100_4}$$

$$\begin{array}{r} 3132_4 \\ - 2003_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1203_4 \\ - 102_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3322_4 \\ \times 23_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1200_4 \\ + 2202_4 \\ \hline \end{array}$$

Operations with Quaternary Numbers (J) Answers

Calculate each answer.

$$\begin{array}{r} 1002_4 \\ + 3131_4 \\ \hline 10133_4 \end{array}$$

$$\begin{array}{r} 313_4 \\ \times 11_4 \\ \hline 10103_4 \end{array}$$

$$\begin{array}{r} 2003_4 \\ + 1301_4 \\ \hline 3310_4 \end{array}$$

$$\begin{array}{r} 311_4 \\ 22_4 \overline{)20102_4} \end{array}$$

$$\begin{array}{r} 3332_4 \\ 22_4 \overline{)213230_4} \end{array}$$

$$\begin{array}{r} 1011_4 \\ \times 11_4 \\ \hline 11121_4 \end{array}$$

$$\begin{array}{r} 302_4 \\ 31_4 \overline{)22022_4} \end{array}$$

$$\begin{array}{r} 1223_4 \\ \times 32_4 \\ \hline 113122_4 \end{array}$$

$$\begin{array}{r} 1310_4 \\ + 1020_4 \\ \hline 2330_4 \end{array}$$

$$\begin{array}{r} 3000_4 \\ + 3010_4 \\ \hline 12010_4 \end{array}$$

$$\begin{array}{r} 2100_4 \\ 3_4 \overline{)12300_4} \end{array}$$

$$\begin{array}{r} 3102_4 \\ + 3313_4 \\ \hline 13021_4 \end{array}$$

$$\begin{array}{r} 3032_4 \\ \times 31_4 \\ \hline 221312_4 \end{array}$$

$$\begin{array}{r} 111_4 \\ + 220_4 \\ \hline 331_4 \end{array}$$

$$\begin{array}{r} 2213_4 \\ + 2113_4 \\ \hline 10332_4 \end{array}$$

$$\begin{array}{r} 2120_4 \\ 32_4 \overline{)201100_4} \end{array}$$

$$\begin{array}{r} 3132_4 \\ - 2003_4 \\ \hline 1123_4 \end{array}$$

$$\begin{array}{r} 1203_4 \\ - 102_4 \\ \hline 1101_4 \end{array}$$

$$\begin{array}{r} 3322_4 \\ \times 23_4 \\ \hline 222332_4 \end{array}$$

$$\begin{array}{r} 1200_4 \\ + 2202_4 \\ \hline 10002_4 \end{array}$$