

Multiplying and Dividing Quaternary Numbers (A)

Calculate each product or quotient.

$$\begin{array}{r} 2232_4 \\ \times 23_4 \\ \hline \end{array}$$

$$12_4 \overline{)111312_4}$$

$$\begin{array}{r} 1310_4 \\ \times 10_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2203_4 \\ \times 30_4 \\ \hline \end{array}$$

$$33_4 \overline{)33132_4}$$

$$13_4 \overline{)33123_4}$$

$$23_4 \overline{)2300_4}$$

$$\begin{array}{r} 2130_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1101_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1200_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3223_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1322_4 \\ \times 3_4 \\ \hline \end{array}$$

$$2_4 \overline{)10222_4}$$

$$\begin{array}{r} 2122_4 \\ \times 21_4 \\ \hline \end{array}$$

$$32_4 \overline{)13032_4}$$

$$\begin{array}{r} 1310_4 \\ \times 3_4 \\ \hline \end{array}$$

$$32_4 \overline{)211220_4}$$

$$\begin{array}{r} 122_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1030_4 \\ \times 31_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2010_4 \\ \times 10_4 \\ \hline \end{array}$$

Multiplying and Dividing Quaternary Numbers (A) Answers

Calculate each product or quotient.

$$\begin{array}{r} 2232_4 \\ \times 23_4 \\ \hline 131322_4 \end{array}$$

$$\begin{array}{r} 3221_4 \\ 12_4 \overline{)111312_4} \end{array}$$

$$\begin{array}{r} 1310_4 \\ \times 10_4 \\ \hline 13100_4 \end{array}$$

$$\begin{array}{r} 2203_4 \\ \times 30_4 \\ \hline 132210_4 \end{array}$$

$$\begin{array}{r} 1002_4 \\ 33_4 \overline{)33132_4} \end{array}$$

$$\begin{array}{r} 2031_4 \\ 13_4 \overline{)33123_4} \end{array}$$

$$\begin{array}{r} 100_4 \\ 23_4 \overline{)2300_4} \end{array}$$

$$\begin{array}{r} 2130_4 \\ \times 33_4 \\ \hline 210210_4 \end{array}$$

$$\begin{array}{r} 1101_4 \\ \times 3_4 \\ \hline 3303_4 \end{array}$$

$$\begin{array}{r} 1200_4 \\ \times 3_4 \\ \hline 10200_4 \end{array}$$

$$\begin{array}{r} 3223_4 \\ \times 33_4 \\ \hline 313011_4 \end{array}$$

$$\begin{array}{r} 1322_4 \\ \times 3_4 \\ \hline 11232_4 \end{array}$$

$$\begin{array}{r} 2111_4 \\ 2_4 \overline{)10222_4} \end{array}$$

$$\begin{array}{r} 2122_4 \\ \times 21_4 \\ \hline 111222_4 \end{array}$$

$$\begin{array}{r} 201_4 \\ 32_4 \overline{)13032_4} \end{array}$$

$$\begin{array}{r} 1310_4 \\ \times 3_4 \\ \hline 11130_4 \end{array}$$

$$\begin{array}{r} 2230_4 \\ 32_4 \overline{)211220_4} \end{array}$$

$$\begin{array}{r} 122_4 \\ \times 33_4 \\ \hline 12012_4 \end{array}$$

$$\begin{array}{r} 1030_4 \\ \times 31_4 \\ \hline 33130_4 \end{array}$$

$$\begin{array}{r} 2010_4 \\ \times 10_4 \\ \hline 20100_4 \end{array}$$

Multiplying and Dividing Quaternary Numbers (B)

Calculate each product or quotient.

$$\begin{array}{r} 1123_4 \\ \times 20_4 \\ \hline \end{array}$$

$$\begin{array}{r} 203_4 \\ \times 22_4 \\ \hline \end{array}$$

$$33_4 \overline{)101112_4}$$

$$21_4 \overline{)113301_4}$$

$$11_4 \overline{)33330_4}$$

$$13_4 \overline{)22010_4}$$

$$\begin{array}{r} 3212_4 \\ \times 2_4 \\ \hline \end{array}$$

$$13_4 \overline{)112012_4}$$

$$10_4 \overline{)11130_4}$$

$$2_4 \overline{)13202_4}$$

$$30_4 \overline{)32100_4}$$

$$12_4 \overline{)11310_4}$$

$$12_4 \overline{)103302_4}$$

$$\begin{array}{r} 2123_4 \\ \times 2_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3012_4 \\ \times 30_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1022_4 \\ \times 12_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1221_4 \\ \times 12_4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 1221_4 \\ \times 13_4 \\ \hline \end{array}$$

$$32_4 \overline{)13000_4}$$

Multiplying and Dividing Quaternary Numbers (B) Answers

Calculate each product or quotient.

$$\begin{array}{r} 1123_4 \\ \times 20_4 \\ \hline 23120_4 \end{array}$$

$$\begin{array}{r} 203_4 \\ \times 22_4 \\ \hline 11132_4 \end{array}$$

$$\begin{array}{r} 1022_4 \\ 33_4 \overline{)101112_4} \end{array}$$

$$\begin{array}{r} 2221_4 \\ 21_4 \overline{)113301_4} \end{array}$$

$$\begin{array}{r} 3030_4 \\ 11_4 \overline{)33330_4} \end{array}$$

$$\begin{array}{r} 1130_4 \\ 13_4 \overline{)22010_4} \end{array}$$

$$\begin{array}{r} 3212_4 \\ \times 2_4 \\ \hline 13030_4 \end{array}$$

$$\begin{array}{r} 3022_4 \\ 13_4 \overline{)112012_4} \end{array}$$

$$\begin{array}{r} 1113_4 \\ 10_4 \overline{)11130_4} \end{array}$$

$$\begin{array}{r} 3301_4 \\ 2_4 \overline{)13202_4} \end{array}$$

$$\begin{array}{r} 1030_4 \\ 30_4 \overline{)32100_4} \end{array}$$

$$\begin{array}{r} 332_4 \\ 12_4 \overline{)11310_4} \end{array}$$

$$\begin{array}{r} 3103_4 \\ 12_4 \overline{)103302_4} \end{array}$$

$$\begin{array}{r} 2123_4 \\ \times 2_4 \\ \hline 10312_4 \end{array}$$

$$\begin{array}{r} 3012_4 \\ \times 30_4 \\ \hline 211020_4 \end{array}$$

$$\begin{array}{r} 1022_4 \\ \times 12_4 \\ \hline 12330_4 \end{array}$$

$$\begin{array}{r} 1221_4 \\ \times 12_4 \\ \hline 21312_4 \end{array}$$

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

$$\begin{array}{r} 1221_4 \\ \times 13_4 \\ \hline 23133_4 \end{array}$$

$$\begin{array}{r} 200_4 \\ 32_4 \overline{)13000_4} \end{array}$$

Multiplying and Dividing Quaternary Numbers (C)

Calculate each product or quotient.

$$2_4 \overline{)11012_4}$$

$$\begin{array}{r} 1022_4 \\ \times 31_4 \\ \hline \end{array}$$

$$2_4 \overline{)1222_4}$$

$$\begin{array}{r} 1111_4 \\ \times 12_4 \\ \hline \end{array}$$

$$21_4 \overline{)113112_4}$$

$$2_4 \overline{)12100_4}$$

$$\begin{array}{r} 123_4 \\ \times 21_4 \\ \hline \end{array}$$

$$12_4 \overline{)21120_4}$$

$$21_4 \overline{)13002_4}$$

$$3_4 \overline{)23100_4}$$

$$\begin{array}{r} 101_4 \\ \times 10_4 \\ \hline \end{array}$$

$$32_4 \overline{)313210_4}$$

$$\begin{array}{r} 3302_4 \\ \times 20_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3110_4 \\ \times 22_4 \\ \hline \end{array}$$

$$33_4 \overline{)321321_4}$$

$$\begin{array}{r} 212_4 \\ \times 3_4 \\ \hline \end{array}$$

$$30_4 \overline{)32220_4}$$

$$\begin{array}{r} 302_4 \\ \times 23_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1113_4 \\ \times 23_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2232_4 \\ \times 11_4 \\ \hline \end{array}$$

Multiplying and Dividing Quaternary Numbers (C) Answers

Calculate each product or quotient.

$$\begin{array}{r} 2203_4 \\ 2_4 \overline{)11012_4} \end{array}$$

$$\begin{array}{r} 1022_4 \\ \times 31_4 \\ \hline 33002_4 \end{array}$$

$$\begin{array}{r} 311_4 \\ 2_4 \overline{)1222_4} \end{array}$$

$$\begin{array}{r} 1111_4 \\ \times 12_4 \\ \hline 13332_4 \end{array}$$

$$\begin{array}{r} 2212_4 \\ 21_4 \overline{)113112_4} \end{array}$$

$$\begin{array}{r} 3020_4 \\ 2_4 \overline{)12100_4} \end{array}$$

$$\begin{array}{r} 123_4 \\ \times 21_4 \\ \hline 3303_4 \end{array}$$

$$\begin{array}{r} 1210_4 \\ 12_4 \overline{)21120_4} \end{array}$$

$$\begin{array}{r} 302_4 \\ 21_4 \overline{)13002_4} \end{array}$$

$$\begin{array}{r} 3300_4 \\ 3_4 \overline{)23100_4} \end{array}$$

$$\begin{array}{r} 101_4 \\ \times 10_4 \\ \hline 1010_4 \end{array}$$

$$\begin{array}{r} 3332_4 \\ 32_4 \overline{)313210_4} \end{array}$$

$$\begin{array}{r} 3302_4 \\ \times 20_4 \\ \hline 132100_4 \end{array}$$

$$\begin{array}{r} 3110_4 \\ \times 22_4 \\ \hline 201020_4 \end{array}$$

$$\begin{array}{r} 3313_4 \\ 33_4 \overline{)321321_4} \end{array}$$

$$\begin{array}{r} 212_4 \\ \times 3_4 \\ \hline 1302_4 \end{array}$$

$$\begin{array}{r} 1032_4 \\ 30_4 \overline{)32220_4} \end{array}$$

$$\begin{array}{r} 302_4 \\ \times 23_4 \\ \hline 20212_4 \end{array}$$

$$\begin{array}{r} 1113_4 \\ \times 23_4 \\ \hline 32331_4 \end{array}$$

$$\begin{array}{r} 2232_4 \\ \times 11_4 \\ \hline 31212_4 \end{array}$$

Multiplying and Dividing Quaternary Numbers (D)

Calculate each product or quotient.

$$\begin{array}{r} 2131_4 \\ \times 3_4 \\ \hline \end{array}$$

$$13_4 \overline{)120311_4}$$

$$32_4 \overline{)3232_4}$$

$$\begin{array}{r} 3111_4 \\ \times 32_4 \\ \hline \end{array}$$

$$3_4 \overline{)13212_4}$$

$$13_4 \overline{)1332_4}$$

$$23_4 \overline{)223110_4}$$

$$\begin{array}{r} 3100_4 \\ \times 21_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3120_4 \\ \times 2_4 \\ \hline \end{array}$$

$$33_4 \overline{)103131_4}$$

$$11_4 \overline{)23023_4}$$

$$32_4 \overline{)232120_4}$$

$$2_4 \overline{)2032_4}$$

$$3_4 \overline{)2013_4}$$

$$20_4 \overline{)133020_4}$$

$$13_4 \overline{)120200_4}$$

$$\begin{array}{r} 3222_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2332_4 \\ \times 11_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3222_4 \\ \times 20_4 \\ \hline \end{array}$$

$$\begin{array}{r} 132_4 \\ \times 3_4 \\ \hline \end{array}$$

Multiplying and Dividing Quaternary Numbers (D) Answers

Calculate each product or quotient.

$$\begin{array}{r} 2131_4 \\ \times 3_4 \\ \hline 13113_4 \end{array}$$

$$\begin{array}{r} 3203_4 \\ 13_4 \overline{)120311_4} \end{array}$$

$$\begin{array}{r} 101_4 \\ 32_4 \overline{)3232_4} \end{array}$$

$$\begin{array}{r} 3111_4 \\ \times 32_4 \\ \hline 232212_4 \end{array}$$

$$\begin{array}{r} 2202_4 \\ 3_4 \overline{)13212_4} \end{array}$$

$$\begin{array}{r} 102_4 \\ 13_4 \overline{)1332_4} \end{array}$$

$$\begin{array}{r} 3330_4 \\ 23_4 \overline{)223110_4} \end{array}$$

$$\begin{array}{r} 3100_4 \\ \times 21_4 \\ \hline 131100_4 \end{array}$$

$$\begin{array}{r} 3120_4 \\ \times 2_4 \\ \hline 12300_4 \end{array}$$

$$\begin{array}{r} 1103_4 \\ 33_4 \overline{)103131_4} \end{array}$$

$$\begin{array}{r} 2033_4 \\ 11_4 \overline{)23023_4} \end{array}$$

$$\begin{array}{r} 3110_4 \\ 32_4 \overline{)232120_4} \end{array}$$

$$\begin{array}{r} 1013_4 \\ 2_4 \overline{)2032_4} \end{array}$$

$$\begin{array}{r} 231_4 \\ 3_4 \overline{)2013_4} \end{array}$$

$$\begin{array}{r} 3321_4 \\ 20_4 \overline{)133020_4} \end{array}$$

$$\begin{array}{r} 3200_4 \\ 13_4 \overline{)120200_4} \end{array}$$

$$\begin{array}{r} 3222_4 \\ \times 3_4 \\ \hline 22332_4 \end{array}$$

$$\begin{array}{r} 2332_4 \\ \times 11_4 \\ \hline 32312_4 \end{array}$$

$$\begin{array}{r} 3222_4 \\ \times 20_4 \\ \hline 131100_4 \end{array}$$

$$\begin{array}{r} 132_4 \\ \times 3_4 \\ \hline 1122_4 \end{array}$$

Multiplying and Dividing Quaternary Numbers (E)

Calculate each product or quotient.

$$2_4 \overline{)10300_4}$$

$$\begin{array}{r} 1331_4 \\ \times 30_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2213_4 \\ \times 12_4 \\ \hline \end{array}$$

$$23_4 \overline{)21220_4}$$

$$32_4 \overline{)220002_4}$$

$$21_4 \overline{)100212_4}$$

$$\begin{array}{r} 1222_4 \\ \times 12_4 \\ \hline \end{array}$$

$$11_4 \overline{)11011_4}$$

$$3_4 \overline{)21000_4}$$

$$\begin{array}{r} 2211_4 \\ \times 11_4 \\ \hline \end{array}$$

$$30_4 \overline{)233010_4}$$

$$\begin{array}{r} 2023_4 \\ \times 22_4 \\ \hline \end{array}$$

$$23_4 \overline{)31010_4}$$

$$30_4 \overline{)220110_4}$$

$$\begin{array}{r} 2023_4 \\ \times 23_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2000_4 \\ \times 11_4 \\ \hline \end{array}$$

$$11_4 \overline{)103213_4}$$

$$\begin{array}{r} 2232_4 \\ \times 30_4 \\ \hline \end{array}$$

$$\begin{array}{r} 123_4 \\ \times 10_4 \\ \hline \end{array}$$

$$21_4 \overline{)203103_4}$$

Multiplying and Dividing Quaternary Numbers (E) Answers

Calculate each product or quotient.

$$\begin{array}{r} 2120_4 \\ 2_4 \overline{)10300_4} \end{array}$$

$$\begin{array}{r} 1331_4 \\ \times 30_4 \\ \hline 113130_4 \end{array}$$

$$\begin{array}{r} 2213_4 \\ \times 12_4 \\ \hline 33222_4 \end{array}$$

$$\begin{array}{r} 320_4 \\ 23_4 \overline{)21220_4} \end{array}$$

$$\begin{array}{r} 2313_4 \\ 32_4 \overline{)220002_4} \end{array}$$

$$\begin{array}{r} 1312_4 \\ 21_4 \overline{)100212_4} \end{array}$$

$$\begin{array}{r} 1222_4 \\ \times 12_4 \\ \hline 21330_4 \end{array}$$

$$\begin{array}{r} 1001_4 \\ 11_4 \overline{)11011_4} \end{array}$$

$$\begin{array}{r} 3000_4 \\ 3_4 \overline{)21000_4} \end{array}$$

$$\begin{array}{r} 2211_4 \\ \times 11_4 \\ \hline 30321_4 \end{array}$$

$$\begin{array}{r} 3323_4 \\ 30_4 \overline{)233010_4} \end{array}$$

$$\begin{array}{r} 2023_4 \\ \times 22_4 \\ \hline 111232_4 \end{array}$$

$$\begin{array}{r} 1030_4 \\ 23_4 \overline{)31010_4} \end{array}$$

$$\begin{array}{r} 3113_4 \\ 30_4 \overline{)220110_4} \end{array}$$

$$\begin{array}{r} 2023_4 \\ \times 23_4 \\ \hline 113321_4 \end{array}$$

$$\begin{array}{r} 2000_4 \\ \times 11_4 \\ \hline 22000_4 \end{array}$$

$$\begin{array}{r} 3323_4 \\ 11_4 \overline{)103213_4} \end{array}$$

$$\begin{array}{r} 2232_4 \\ \times 30_4 \\ \hline 200220_4 \end{array}$$

$$\begin{array}{r} 123_4 \\ \times 10_4 \\ \hline 1230_4 \end{array}$$

$$\begin{array}{r} 3323_4 \\ 21_4 \overline{)203103_4} \end{array}$$

Multiplying and Dividing Quaternary Numbers (F)

Calculate each product or quotient.

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

$$\begin{array}{r} 3103_4 \\ \times 10_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2322_4 \\ \times 3_4 \\ \hline \end{array}$$

$$31_4 \overline{)120211_4}$$

$$\begin{array}{r} 2011_4 \\ \times 31_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2011_4 \\ \times 33_4 \\ \hline \end{array}$$

$$30_4 \overline{)102030_4}$$

$$32_4 \overline{)130222_4}$$

$$\begin{array}{r} 2012_4 \\ \times 11_4 \\ \hline \end{array}$$

$$2_4 \overline{)11020_4}$$

$$\begin{array}{r} 1010_4 \\ \times 31_4 \\ \hline \end{array}$$

$$23_4 \overline{)131233_4}$$

$$\begin{array}{r} 2103_4 \\ \times 21_4 \\ \hline \end{array}$$

$$32_4 \overline{)32032_4}$$

$$10_4 \overline{)13100_4}$$

$$\begin{array}{r} 3313_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2202_4 \\ \times 2_4 \\ \hline \end{array}$$

$$\begin{array}{r} 312_4 \\ \times 11_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1130_4 \\ \times 12_4 \\ \hline \end{array}$$

$$21_4 \overline{)200112_4}$$

Multiplying and Dividing Quaternary Numbers (F) Answers

Calculate each product or quotient.

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

$$\begin{array}{r} 3103_4 \\ \times 10_4 \\ \hline 31030_4 \end{array}$$

$$\begin{array}{r} 2322_4 \\ \times 3_4 \\ \hline 20232_4 \end{array}$$

$$31_4 \overline{)120211_4} \quad 1321_4$$

$$\begin{array}{r} 2011_4 \\ \times 31_4 \\ \hline 123001_4 \end{array}$$

$$\begin{array}{r} 2011_4 \\ \times 33_4 \\ \hline 133023_4 \end{array}$$

$$30_4 \overline{)102030_4} \quad 1201_4$$

$$32_4 \overline{)130222_4} \quad 2003_4$$

$$\begin{array}{r} 2012_4 \\ \times 11_4 \\ \hline 22132_4 \end{array}$$

$$2_4 \overline{)11020_4} \quad 2210_4$$

$$\begin{array}{r} 1010_4 \\ \times 31_4 \\ \hline 31310_4 \end{array}$$

$$23_4 \overline{)131233_4} \quad 2231_4$$

$$\begin{array}{r} 2103_4 \\ \times 21_4 \\ \hline 110223_4 \end{array}$$

$$32_4 \overline{)32032_4} \quad 1001_4$$

$$10_4 \overline{)13100_4} \quad 1310_4$$

$$\begin{array}{r} 3313_4 \\ \times 33_4 \\ \hline 321321_4 \end{array}$$

$$\begin{array}{r} 2202_4 \\ \times 2_4 \\ \hline 11010_4 \end{array}$$

$$\begin{array}{r} 312_4 \\ \times 11_4 \\ \hline 10032_4 \end{array}$$

$$\begin{array}{r} 1130_4 \\ \times 12_4 \\ \hline 20220_4 \end{array}$$

$$21_4 \overline{)200112_4} \quad 3212_4$$

Multiplying and Dividing Quaternary Numbers (G)

Calculate each product or quotient.

$$\begin{array}{r} 3010_4 \\ \times 30_4 \\ \hline \end{array}$$

$$31_4 \overline{)20202_4}$$

$$12_4 \overline{)100020_4}$$

$$32_4 \overline{)120102_4}$$

$$\begin{array}{r} 3021_4 \\ \times 22_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1321_4 \\ \times 11_4 \\ \hline \end{array}$$

$$30_4 \overline{)20010_4}$$

$$\begin{array}{r} 3212_4 \\ \times 33_4 \\ \hline \end{array}$$

$$20_4 \overline{)12200_4}$$

$$\begin{array}{r} 2223_4 \\ \times 10_4 \\ \hline \end{array}$$

$$3_4 \overline{)11301_4}$$

$$\begin{array}{r} 1230_4 \\ \times 13_4 \\ \hline \end{array}$$

$$10_4 \overline{)30130_4}$$

$$21_4 \overline{)121320_4}$$

$$31_4 \overline{)31000_4}$$

$$12_4 \overline{)21330_4}$$

$$2_4 \overline{)12030_4}$$

$$\begin{array}{r} 2320_4 \\ \times 22_4 \\ \hline \end{array}$$

$$33_4 \overline{)210303_4}$$

$$\begin{array}{r} 3203_4 \\ \times 33_4 \\ \hline \end{array}$$

Multiplying and Dividing Quaternary Numbers (G) Answers

Calculate each product or quotient.

$$\begin{array}{r} 3010_4 \\ \times 30_4 \\ \hline 210300_4 \end{array}$$

$$\begin{array}{r} 222_4 \\ 31_4 \overline{)20202_4} \end{array}$$

$$\begin{array}{r} 2230_4 \\ 12_4 \overline{)100020_4} \end{array}$$

$$\begin{array}{r} 1233_4 \\ 32_4 \overline{)120102_4} \end{array}$$

$$\begin{array}{r} 3021_4 \\ \times 22_4 \\ \hline 133122_4 \end{array}$$

$$\begin{array}{r} 1321_4 \\ \times 11_4 \\ \hline 21131_4 \end{array}$$

$$\begin{array}{r} 223_4 \\ 30_4 \overline{)20010_4} \end{array}$$

$$\begin{array}{r} 3212_4 \\ \times 33_4 \\ \hline 311322_4 \end{array}$$

$$\begin{array}{r} 310_4 \\ 20_4 \overline{)12200_4} \end{array}$$

$$\begin{array}{r} 2223_4 \\ \times 10_4 \\ \hline 22230_4 \end{array}$$

$$\begin{array}{r} 1323_4 \\ 3_4 \overline{)11301_4} \end{array}$$

$$\begin{array}{r} 1230_4 \\ \times 13_4 \\ \hline 23310_4 \end{array}$$

$$\begin{array}{r} 3013_4 \\ 10_4 \overline{)30130_4} \end{array}$$

$$\begin{array}{r} 2320_4 \\ 21_4 \overline{)121320_4} \end{array}$$

$$\begin{array}{r} 1000_4 \\ 31_4 \overline{)31000_4} \end{array}$$

$$\begin{array}{r} 1222_4 \\ 12_4 \overline{)21330_4} \end{array}$$

$$\begin{array}{r} 3012_4 \\ 2_4 \overline{)12030_4} \end{array}$$

$$\begin{array}{r} 2320_4 \\ \times 22_4 \\ \hline 130300_4 \end{array}$$

$$\begin{array}{r} 2131_4 \\ 33_4 \overline{)210303_4} \end{array}$$

$$\begin{array}{r} 3203_4 \\ \times 33_4 \\ \hline 311031_4 \end{array}$$

Multiplying and Dividing Quaternary Numbers (H)

Calculate each product or quotient.

$$\begin{array}{r} 2111_4 \\ \times 22_4 \\ \hline \end{array}$$

$$13_4 \overline{)21122_4}$$

$$\begin{array}{r} 2333_4 \\ \times 33_4 \\ \hline \end{array}$$

$$12_4 \overline{)111120_4}$$

$$\begin{array}{r} 2302_4 \\ \times 13_4 \\ \hline \end{array}$$

$$33_4 \overline{)213213_4}$$

$$11_4 \overline{)30222_4}$$

$$31_4 \overline{)32001_4}$$

$$32_4 \overline{)133330_4}$$

$$33_4 \overline{)310332_4}$$

$$31_4 \overline{)200200_4}$$

$$\begin{array}{r} 3122_4 \\ \times 10_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1033_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3130_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3211_4 \\ \times 3_4 \\ \hline \end{array}$$

$$13_4 \overline{)30322_4}$$

$$\begin{array}{r} 233_4 \\ \times 13_4 \\ \hline \end{array}$$

$$12_4 \overline{)100122_4}$$

$$11_4 \overline{)100111_4}$$

$$\begin{array}{r} 122_4 \\ \times 12_4 \\ \hline \end{array}$$

Multiplying and Dividing Quaternary Numbers (H) Answers

Calculate each product or quotient.

$$\begin{array}{r} 2111_4 \\ \times 22_4 \\ \hline 113102_4 \end{array}$$

$$\begin{array}{r} 1112_4 \\ 13_4 \overline{)21122_4} \end{array}$$

$$\begin{array}{r} 2333_4 \\ \times 33_4 \\ \hline 230301_4 \end{array}$$

$$\begin{array}{r} 3210_4 \\ 12_4 \overline{)111120_4} \end{array}$$

$$\begin{array}{r} 2302_4 \\ \times 13_4 \\ \hline 103132_4 \end{array}$$

$$\begin{array}{r} 2221_4 \\ 33_4 \overline{)213213_4} \end{array}$$

$$\begin{array}{r} 2202_4 \\ 11_4 \overline{)30222_4} \end{array}$$

$$\begin{array}{r} 1011_4 \\ 31_4 \overline{)32001_4} \end{array}$$

$$\begin{array}{r} 2102_4 \\ 32_4 \overline{)133330_4} \end{array}$$

$$\begin{array}{r} 3202_4 \\ 33_4 \overline{)310332_4} \end{array}$$

$$\begin{array}{r} 2200_4 \\ 31_4 \overline{)200200_4} \end{array}$$

$$\begin{array}{r} 3122_4 \\ \times 10_4 \\ \hline 31220_4 \end{array}$$

$$\begin{array}{r} 1033_4 \\ \times 3_4 \\ \hline 3231_4 \end{array}$$

$$\begin{array}{r} 3130_4 \\ \times 3_4 \\ \hline 22110_4 \end{array}$$

$$\begin{array}{r} 3211_4 \\ \times 3_4 \\ \hline 22233_4 \end{array}$$

$$\begin{array}{r} 1312_4 \\ 13_4 \overline{)30322_4} \end{array}$$

$$\begin{array}{r} 233_4 \\ \times 13_4 \\ \hline 11021_4 \end{array}$$

$$\begin{array}{r} 2233_4 \\ 12_4 \overline{)100122_4} \end{array}$$

$$\begin{array}{r} 3101_4 \\ 11_4 \overline{)100111_4} \end{array}$$

$$\begin{array}{r} 122_4 \\ \times 12_4 \\ \hline 2130_4 \end{array}$$

Multiplying and Dividing Quaternary Numbers (I)

Calculate each product or quotient.

$$\begin{array}{r} 3_4 \overline{)2001_4} \\ \hline \end{array}$$

$$\begin{array}{r} 211_4 \\ \times 13_4 \\ \hline \end{array}$$

$$12_4 \overline{)20310_4}$$

$$\begin{array}{r} 1230_4 \\ \times 23_4 \\ \hline \end{array}$$

$$31_4 \overline{)201201_4}$$

$$13_4 \overline{)3311_4}$$

$$21_4 \overline{)10032_4}$$

$$\begin{array}{r} 3023_4 \\ \times 20_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1333_4 \\ \times 10_4 \\ \hline \end{array}$$

$$23_4 \overline{)102210_4}$$

$$21_4 \overline{)202212_4}$$

$$23_4 \overline{)111021_4}$$

$$33_4 \overline{)32103_4}$$

$$\begin{array}{r} 2032_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1021_4 \\ \times 2_4 \\ \hline \end{array}$$

$$13_4 \overline{)102120_4}$$

$$\begin{array}{r} 130_4 \\ \times 22_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1002_4 \\ \times 23_4 \\ \hline \end{array}$$

$$31_4 \overline{)203203_4}$$

$$11_4 \overline{)11203_4}$$

Multiplying and Dividing Quaternary Numbers (I) Answers

Calculate each product or quotient.

$$\begin{array}{r} 223_4 \\ 3_4 \overline{)2001_4} \end{array}$$

$$\begin{array}{r} 211_4 \\ \times 13_4 \\ \hline 10003_4 \end{array}$$

$$\begin{array}{r} 1132_4 \\ 12_4 \overline{)20310_4} \end{array}$$

$$\begin{array}{r} 1230_4 \\ \times 23_4 \\ \hline 102210_4 \end{array}$$

$$\begin{array}{r} 2211_4 \\ 31_4 \overline{)201201_4} \end{array}$$

$$\begin{array}{r} 203_4 \\ 13_4 \overline{)3311_4} \end{array}$$

$$\begin{array}{r} 132_4 \\ 21_4 \overline{)10032_4} \end{array}$$

$$\begin{array}{r} 3023_4 \\ \times 20_4 \\ \hline 121120_4 \end{array}$$

$$\begin{array}{r} 1333_4 \\ \times 10_4 \\ \hline 13330_4 \end{array}$$

$$\begin{array}{r} 1230_4 \\ 23_4 \overline{)102210_4} \end{array}$$

$$\begin{array}{r} 3312_4 \\ 21_4 \overline{)202212_4} \end{array}$$

$$\begin{array}{r} 1323_4 \\ 23_4 \overline{)111021_4} \end{array}$$

$$\begin{array}{r} 331_4 \\ 33_4 \overline{)32103_4} \end{array}$$

$$\begin{array}{r} 2032_4 \\ \times 3_4 \\ \hline 12222_4 \end{array}$$

$$\begin{array}{r} 1021_4 \\ \times 2_4 \\ \hline 2102_4 \end{array}$$

$$\begin{array}{r} 2220_4 \\ 13_4 \overline{)102120_4} \end{array}$$

$$\begin{array}{r} 130_4 \\ \times 22_4 \\ \hline 10120_4 \end{array}$$

$$\begin{array}{r} 1002_4 \\ \times 23_4 \\ \hline 23112_4 \end{array}$$

$$\begin{array}{r} 2233_4 \\ 31_4 \overline{)203203_4} \end{array}$$

$$\begin{array}{r} 1013_4 \\ 11_4 \overline{)11203_4} \end{array}$$

Multiplying and Dividing Quaternary Numbers (J)

Calculate each product or quotient.

$$\begin{array}{r} 330_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3000_4 \\ \times 31_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2303_4 \\ \times 20_4 \\ \hline \end{array}$$

$$\begin{array}{r} 323_4 \\ \times 32_4 \\ \hline \end{array}$$

$$\begin{array}{r} 133_4 \\ \times 32_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2321_4 \\ \times 2_4 \\ \hline \end{array}$$

$$32_4 \overline{)102120_4}$$

$$\begin{array}{r} 132_4 \\ \times 30_4 \\ \hline \end{array}$$

$$\begin{array}{r} 110_4 \\ \times 22_4 \\ \hline \end{array}$$

$$\begin{array}{r} 1000_4 \\ \times 10_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2303_4 \\ \times 13_4 \\ \hline \end{array}$$

$$32_4 \overline{)22232_4}$$

$$23_4 \overline{)223222_4}$$

$$\begin{array}{r} 2202_4 \\ \times 11_4 \\ \hline \end{array}$$

$$2_4 \overline{)1122_4}$$

$$10_4 \overline{)13330_4}$$

$$\begin{array}{r} 3201_4 \\ \times 3_4 \\ \hline \end{array}$$

$$\begin{array}{r} 3301_4 \\ \times 33_4 \\ \hline \end{array}$$

$$\begin{array}{r} 2302_4 \\ \times 23_4 \\ \hline \end{array}$$

$$\begin{array}{r} 100_4 \\ \times 2_4 \\ \hline \end{array}$$

Multiplying and Dividing Quaternary Numbers (J) Answers

Calculate each product or quotient.

$$\begin{array}{r} 330_4 \\ \times 33_4 \\ \hline 32010_4 \end{array}$$

$$\begin{array}{r} 3000_4 \\ \times 31_4 \\ \hline 213000_4 \end{array}$$

$$\begin{array}{r} 2303_4 \\ \times 20_4 \\ \hline 112120_4 \end{array}$$

$$\begin{array}{r} 323_4 \\ \times 32_4 \\ \hline 30322_4 \end{array}$$

$$\begin{array}{r} 133_4 \\ \times 32_4 \\ \hline 12302_4 \end{array}$$

$$\begin{array}{r} 2321_4 \\ \times 2_4 \\ \hline 11302_4 \end{array}$$

$$\begin{array}{r} 1110_4 \\ 32_4 \overline{)102120_4} \end{array}$$

$$\begin{array}{r} 132_4 \\ \times 30_4 \\ \hline 11220_4 \end{array}$$

$$\begin{array}{r} 110_4 \\ \times 22_4 \\ \hline 3020_4 \end{array}$$

$$\begin{array}{r} 1000_4 \\ \times 10_4 \\ \hline 10000_4 \end{array}$$

$$\begin{array}{r} 2303_4 \\ \times 13_4 \\ \hline 103211_4 \end{array}$$

$$\begin{array}{r} 301_4 \\ 32_4 \overline{)22232_4} \end{array}$$

$$\begin{array}{r} 3332_4 \\ 23_4 \overline{)223222_4} \end{array}$$

$$\begin{array}{r} 2202_4 \\ \times 11_4 \\ \hline 30222_4 \end{array}$$

$$\begin{array}{r} 231_4 \\ 2_4 \overline{)1122_4} \end{array}$$

$$\begin{array}{r} 1333_4 \\ 10_4 \overline{)13330_4} \end{array}$$

$$\begin{array}{r} 3201_4 \\ \times 3_4 \\ \hline 22203_4 \end{array}$$

$$\begin{array}{r} 3301_4 \\ \times 33_4 \\ \hline 320133_4 \end{array}$$

$$\begin{array}{r} 2302_4 \\ \times 23_4 \\ \hline 132212_4 \end{array}$$

$$\begin{array}{r} 100_4 \\ \times 2_4 \\ \hline 200_4 \end{array}$$