

Base Systems Practice

Write the numeral one before:

$$E_{12} \qquad 4000_8 \qquad 13_{13} \qquad 39C_{16} \qquad 101100_2$$

Write the numeral one after:

$$3133_4 \qquad 589_{11} \qquad 366_7 \qquad 199_{12} \qquad 13_{13}$$

Count from ten to nineteen in base six:

Count from twenty-two to thirty in duodecimal:

Count from eleven to nineteen in base 4:

Find the missing base, b .

$$101_b = 145_{10}$$

$$403_b = 103_{10}$$

Find the missing base, b .

$$111_b = 13_{10}$$

$$907_b = 1096_{10}$$

$$55_6 = \underline{\hspace{2cm}}_2$$

$$\begin{array}{r} 21012_3 \\ + 22102_3 \\ \hline \end{array}$$

$$\begin{array}{r} 8341_9 \\ - 5278_9 \\ \hline \end{array}$$

$$\begin{array}{r} 133_4 \\ \times 23_4 \\ \hline \end{array}$$