Multiplying and Dividing Binary Numbers (H)

Calculate each product or quotient.

$100_2 \times 111_2$	$11101_2 \times 111_2$	$100_2 \overline{)111100_2}$	$101_2 \overline{)10001100_2}$
$10001_2 \times 111_2$	$10100_2 \times 11_2$	$101_2 \overline{)110111_2}$	$10011_2 \times 100_2$
$111_2 \overline{)10110110_2}$	$100_2 \overline{)1011000_2}$	$10001_2 \times 10_2$	$111_2 \overline{)110001_2}$
$10101_2 \times 11_2$	$10_2 \overline{)10100_2}$	$100_2 \times 10_2$	$11_2 \overline{)100111_2}$
$111_2 \overline{)1100010_2}$	$11101_2 \times 100_2$	$11010_2 \times 111_2$	$11101_2 \times 10_2$

Multiplying and Dividing Binary Numbers (H) Answers

Calculate each product or quotient.

$$\begin{array}{r} 100_2 \\ \times\ 111_2 \\ \hline 11100_2 \end{array}$$

$$\begin{array}{r} 11101_2 \\ \times\ 111_2 \\ \hline 11001011_2 \end{array}$$

$$100_2\overline{)111100_2} = 1111_2$$

$$101_2\overline{)10001100_2} = 11100_2$$

$$\begin{array}{r} 10001_2 \\ \times\ 111_2 \\ \hline 1110111_2 \end{array}$$

$$\begin{array}{r} 10100_2 \\ \times\ 11_2 \\ \hline 111100_2 \end{array}$$

$$101_2\overline{)110111_2} = 1011_2$$

$$\begin{array}{r} 10011_2 \\ \times\ 100_2 \\ \hline 1001100_2 \end{array}$$

$$111_2\overline{)10110110_2} = 11010_2$$

$$100_2\overline{)1011000_2} = 10110_2$$

$$\begin{array}{r} 10001_2 \\ \times\ 10_2 \\ \hline 100010_2 \end{array}$$

$$111_2\overline{)110001_2} = 111_2$$

$$\begin{array}{r} 10101_2 \\ \times\ 11_2 \\ \hline 111111_2 \end{array}$$

$$10_2\overline{)10100_2} = 1010_2$$

$$\begin{array}{r} 100_2 \\ \times\ 10_2 \\ \hline 1000_2 \end{array}$$

$$11_2\overline{)100111_2} = 1101_2$$

$$111_2\overline{)1100010_2} = 1110_2$$

$$\begin{array}{r} 11101_2 \\ \times\ 100_2 \\ \hline 1110100_2 \end{array}$$

$$\begin{array}{r} 11010_2 \\ \times\ 111_2 \\ \hline 10110110_2 \end{array}$$

$$\begin{array}{r} 11101_2 \\ \times\ 10_2 \\ \hline 111010_2 \end{array}$$