Multiplying Binary Numbers (A)

Calculate each product.

$10010_2 \times 110_2$	$11010_2 \times 110_2$	$11001_2 \times 11_2$	$10111_2 \times 11_2$
$1101_2 \times 10_2$	$10010_2 \times 110_2$	$11000_2 \times 100_2$	$10010_2 \times 10_2$
$10010_2 \times 101_2$	$11111_2 \times 110_2$	$10110_2 \times 101_2$	$1000_2 \times 10_2$
$11010_2 \times 11_2$	$1100_2 \times 111_2$	$10010_2 \times 101_2$	$11110_2 \times 101_2$
$1011_2 \times 110_2$	$10000_2 \times 10_2$	$1000_2 \times 100_2$	$11011_2 \times 10_2$

Multiplying Binary Numbers (A) Answers

Calculate each product.

$10010_2 \times 110_2 = 1101100_2$	$11010_2 \times 110_2 = 10011100_2$	$11001_2 \times 11_2 = 1001011_2$	$10111_2 \times 11_2 = 1000101_2$
$1101_2 \times 10_2 = 11010_2$	$10010_2 \times 110_2 = 1101100_2$	$11000_2 \times 100_2 = 1100000_2$	$10010_2 \times 10_2 = 100100_2$
$10010_2 \times 101_2 = 1011010_2$	$11111_2 \times 110_2 = 10111010_2$	$10110_2 \times 101_2 = 1101110_2$	$1000_2 \times 10_2 = 10000_2$
$11010_2 \times 11_2 = 1001110_2$	$1100_2 \times 111_2 = 1010100_2$	$10010_2 \times 101_2 = 1011010_2$	$11110_2 \times 101_2 = 10010110_2$
$1011_2 \times 110_2 = 1000010_2$	$10000_2 \times 10_2 = 100000_2$	$1000_2 \times 100_2 = 100000_2$	$11011_2 \times 10_2 = 110110_2$

Multiplying Binary Numbers (B)

Calculate each product.

$1011_2 \times 111_2$	$1000_2 \times 111_2$	$1100_2 \times 101_2$	$10101_2 \times 11_2$
$1111_2 \times 111_2$	$11010_2 \times 110_2$	$10111_2 \times 110_2$	$1000_2 \times 110_2$
$11100_2 \times 110_2$	$1111_2 \times 100_2$	$11000_2 \times 11_2$	$1001_2 \times 10_2$
$11000_2 \times 110_2$	$10000_2 \times 110_2$	$1000_2 \times 10_2$	$11101_2 \times 100_2$
$10101_2 \times 100_2$	$10010_2 \times 110_2$	$10011_2 \times 110_2$	$11011_2 \times 11_2$

Multiplying Binary Numbers (B) Answers

Calculate each product.

$1011_2 \times 111_2 = 1001101_2$	$1000_2 \times 111_2 = 111000_2$	$1100_2 \times 101_2 = 111100_2$	$10101_2 \times 11_2 = 111111_2$
$1111_2 \times 111_2 = 1101001_2$	$11010_2 \times 110_2 = 10011100_2$	$10111_2 \times 110_2 = 10001010_2$	$1000_2 \times 110_2 = 110000_2$
$11100_2 \times 110_2 = 10101000_2$	$1111_2 \times 100_2 = 111100_2$	$11000_2 \times 11_2 = 1001000_2$	$1001_2 \times 10_2 = 10010_2$
$11000_2 \times 110_2 = 10010000_2$	$10000_2 \times 110_2 = 1100000_2$	$1000_2 \times 10_2 = 10000_2$	$11101_2 \times 100_2 = 1110100_2$
$10101_2 \times 100_2 = 1010100_2$	$10010_2 \times 110_2 = 1101100_2$	$10011_2 \times 110_2 = 1110010_2$	$11011_2 \times 11_2 = 1010001_2$

Multiplying Binary Numbers (C)

Calculate each product.

$1010_2 \times 100_2$	$11111_2 \times 11_2$	$10101_2 \times 10_2$	$1011_2 \times 11_2$
$1010_2 \times 11_2$	$10100_2 \times 101_2$	$11011_2 \times 110_2$	$10100_2 \times 111_2$
$1101_2 \times 101_2$	$11010_2 \times 11_2$	$11101_2 \times 110_2$	$1011_2 \times 101_2$
$1111_2 \times 110_2$	$10110_2 \times 100_2$	$10100_2 \times 111_2$	$1011_2 \times 101_2$
$10011_2 \times 100_2$	$1011_2 \times 111_2$	$11001_2 \times 100_2$	$1010_2 \times 10_2$

Multiplying Binary Numbers (C) Answers

Calculate each product.

$1010_2 \times 100_2 = 101000_2$	$11111_2 \times 11_2 = 1011101_2$	$10101_2 \times 10_2 = 101010_2$	$1011_2 \times 11_2 = 100001_2$
$1010_2 \times 11_2 = 11110_2$	$10100_2 \times 101_2 = 1100100_2$	$11011_2 \times 110_2 = 10100010_2$	$10100_2 \times 111_2 = 10001100_2$
$1101_2 \times 101_2 = 1000001_2$	$11010_2 \times 11_2 = 1001110_2$	$11101_2 \times 110_2 = 10101110_2$	$1011_2 \times 101_2 = 110111_2$
$1111_2 \times 110_2 = 1011010_2$	$10110_2 \times 100_2 = 1011000_2$	$10100_2 \times 111_2 = 10001100_2$	$1011_2 \times 101_2 = 110111_2$
$10011_2 \times 100_2 = 1001100_2$	$1011_2 \times 111_2 = 1001101_2$	$11001_2 \times 100_2 = 1100100_2$	$1010_2 \times 10_2 = 10100_2$

Multiplying Binary Numbers (D)

Calculate each product.

$11010_2 \times 110_2$	$10011_2 \times 111_2$	$10011_2 \times 110_2$	$10010_2 \times 11_2$
$10111_2 \times 110_2$	$10100_2 \times 111_2$	$1101_2 \times 11_2$	$11000_2 \times 101_2$
$1010_2 \times 10_2$	$10110_2 \times 100_2$	$10100_2 \times 110_2$	$1001_2 \times 11_2$
$10001_2 \times 111_2$	$1001_2 \times 110_2$	$11110_2 \times 101_2$	$11100_2 \times 100_2$
$1111_2 \times 101_2$	$1100_2 \times 10_2$	$10101_2 \times 10_2$	$1000_2 \times 11_2$

Multiplying Binary Numbers (D) Answers

Calculate each product.

$11010_2 \times 110_2 = 10011100_2$	$10011_2 \times 111_2 = 10000101_2$	$10011_2 \times 110_2 = 1110010_2$	$10010_2 \times 11_2 = 110110_2$
$10111_2 \times 110_2 = 10001010_2$	$10100_2 \times 111_2 = 10001100_2$	$1101_2 \times 11_2 = 100111_2$	$11000_2 \times 101_2 = 1111000_2$
$1010_2 \times 10_2 = 10100_2$	$10110_2 \times 100_2 = 1011000_2$	$10100_2 \times 110_2 = 1111000_2$	$1001_2 \times 11_2 = 11011_2$
$10001_2 \times 111_2 = 1110111_2$	$1001_2 \times 110_2 = 110110_2$	$11110_2 \times 101_2 = 10010110_2$	$11100_2 \times 100_2 = 1110000_2$
$1111_2 \times 101_2 = 1001011_2$	$1100_2 \times 10_2 = 11000_2$	$10101_2 \times 10_2 = 101010_2$	$1000_2 \times 11_2 = 11000_2$

Multiplying Binary Numbers (E)

Calculate each product.

$11011_2 \times 10_2$	$1100_2 \times 10_2$	$1110_2 \times 111_2$	$10100_2 \times 111_2$
$11001_2 \times 110_2$	$1111_2 \times 100_2$	$11110_2 \times 100_2$	$11100_2 \times 100_2$
$11110_2 \times 10_2$	$11011_2 \times 111_2$	$11010_2 \times 10_2$	$10100_2 \times 10_2$
$1110_2 \times 110_2$	$11111_2 \times 101_2$	$10010_2 \times 110_2$	$1000_2 \times 110_2$
$10111_2 \times 11_2$	$10110_2 \times 100_2$	$10101_2 \times 11_2$	$1111_2 \times 101_2$

Multiplying Binary Numbers (E) Answers

Calculate each product.

$11011_2 \times 10_2 = 110110_2$	$1100_2 \times 10_2 = 11000_2$	$1110_2 \times 111_2 = 1100010_2$	$10100_2 \times 111_2 = 10001100_2$
$11001_2 \times 110_2 = 10010110_2$	$1111_2 \times 100_2 = 111100_2$	$11110_2 \times 100_2 = 1111000_2$	$11100_2 \times 100_2 = 1110000_2$
$11110_2 \times 10_2 = 111100_2$	$11011_2 \times 111_2 = 10111101_2$	$11010_2 \times 10_2 = 110100_2$	$10100_2 \times 10_2 = 101000_2$
$1110_2 \times 110_2 = 1010100_2$	$11111_2 \times 101_2 = 10011011_2$	$10010_2 \times 110_2 = 1101100_2$	$1000_2 \times 110_2 = 110000_2$
$10111_2 \times 11_2 = 1000101_2$	$10110_2 \times 100_2 = 1011000_2$	$10101_2 \times 11_2 = 111111_2$	$1111_2 \times 101_2 = 1001011_2$

Multiplying Binary Numbers (F)

Calculate each product.

$10001_2 \times 100_2$	$1111_2 \times 101_2$	$1101_2 \times 111_2$	$10000_2 \times 100_2$
$11011_2 \times 11_2$	$10010_2 \times 11_2$	$11110_2 \times 10_2$	$1111_2 \times 111_2$
$10011_2 \times 101_2$	$1010_2 \times 10_2$	$1110_2 \times 100_2$	$11101_2 \times 110_2$
$10101_2 \times 100_2$	$11001_2 \times 11_2$	$1110_2 \times 111_2$	$1000_2 \times 10_2$
$11000_2 \times 100_2$	$10100_2 \times 11_2$	$10011_2 \times 100_2$	$11100_2 \times 101_2$

Multiplying Binary Numbers (F) Answers

Calculate each product.

$10001_2 \times 100_2 = 1000100_2$	$1111_2 \times 101_2 = 1001011_2$	$1101_2 \times 111_2 = 1011011_2$	$10000_2 \times 100_2 = 1000000_2$
$11011_2 \times 11_2 = 1010001_2$	$10010_2 \times 11_2 = 110110_2$	$11110_2 \times 10_2 = 111100_2$	$1111_2 \times 111_2 = 1101001_2$
$10011_2 \times 101_2 = 1011111_2$	$1010_2 \times 10_2 = 10100_2$	$1110_2 \times 100_2 = 111000_2$	$11101_2 \times 110_2 = 10101110_2$
$10101_2 \times 100_2 = 1010100_2$	$11001_2 \times 11_2 = 1001011_2$	$1110_2 \times 111_2 = 1100010_2$	$1000_2 \times 10_2 = 10000_2$
$11000_2 \times 100_2 = 1100000_2$	$10100_2 \times 11_2 = 111100_2$	$10011_2 \times 100_2 = 1001100_2$	$11100_2 \times 101_2 = 10001100_2$

Multiplying Binary Numbers (G)

Calculate each product.

$1010_2 \times 110_2$	$11111_2 \times 101_2$	$1011_2 \times 11_2$	$11000_2 \times 11_2$
$10110_2 \times 111_2$	$1100_2 \times 11_2$	$11001_2 \times 11_2$	$10010_2 \times 111_2$
$11001_2 \times 111_2$	$1001_2 \times 101_2$	$1110_2 \times 111_2$	$11011_2 \times 100_2$
$1100_2 \times 110_2$	$1100_2 \times 110_2$	$10000_2 \times 100_2$	$10100_2 \times 10_2$
$10101_2 \times 101_2$	$1110_2 \times 10_2$	$1111_2 \times 10_2$	$11010_2 \times 11_2$

Multiplying Binary Numbers (G) Answers

Calculate each product.

$1010_2 \times 110_2 = 111100_2$	$11111_2 \times 101_2 = 10011011_2$	$1011_2 \times 11_2 = 100001_2$	$11000_2 \times 11_2 = 1001000_2$
$10110_2 \times 111_2 = 10011010_2$	$1100_2 \times 11_2 = 100100_2$	$11001_2 \times 11_2 = 1001011_2$	$10010_2 \times 111_2 = 1111110_2$
$11001_2 \times 111_2 = 10101111_2$	$1001_2 \times 101_2 = 101101_2$	$1110_2 \times 111_2 = 1100010_2$	$11011_2 \times 100_2 = 1101100_2$
$1100_2 \times 110_2 = 1001000_2$	$1100_2 \times 110_2 = 1001000_2$	$10000_2 \times 100_2 = 1000000_2$	$10100_2 \times 10_2 = 101000_2$
$10101_2 \times 101_2 = 1101001_2$	$1110_2 \times 10_2 = 11100_2$	$1111_2 \times 10_2 = 11110_2$	$11010_2 \times 11_2 = 1001110_2$

Multiplying Binary Numbers (H)

Calculate each product.

$1111_2 \times 101_2$	$1100_2 \times 101_2$	$10001_2 \times 101_2$	$1011_2 \times 10_2$
$11110_2 \times 111_2$	$10011_2 \times 100_2$	$1010_2 \times 100_2$	$1110_2 \times 100_2$
$1110_2 \times 110_2$	$1111_2 \times 110_2$	$1001_2 \times 100_2$	$11100_2 \times 101_2$
$11100_2 \times 100_2$	$10110_2 \times 101_2$	$11011_2 \times 10_2$	$1101_2 \times 11_2$
$10111_2 \times 111_2$	$10111_2 \times 111_2$	$11011_2 \times 100_2$	$11111_2 \times 11_2$

Multiplying Binary Numbers (H) Answers

Calculate each product.

$1111_2 \times 101_2 = 1001011_2$	$1100_2 \times 101_2 = 111100_2$	$10001_2 \times 101_2 = 1010101_2$	$1011_2 \times 10_2 = 10110_2$
$11110_2 \times 111_2 = 11010010_2$	$10011_2 \times 100_2 = 1001100_2$	$1010_2 \times 100_2 = 101000_2$	$1110_2 \times 100_2 = 111000_2$
$1110_2 \times 110_2 = 1010100_2$	$1111_2 \times 110_2 = 1011010_2$	$1001_2 \times 100_2 = 100100_2$	$11100_2 \times 101_2 = 10001100_2$
$11100_2 \times 100_2 = 1110000_2$	$10110_2 \times 101_2 = 1101110_2$	$11011_2 \times 10_2 = 110110_2$	$1101_2 \times 11_2 = 100111_2$
$10111_2 \times 111_2 = 10100001_2$	$10111_2 \times 111_2 = 10100001_2$	$11011_2 \times 100_2 = 1101100_2$	$11111_2 \times 11_2 = 1011101_2$

Multiplying Binary Numbers (I)

Calculate each product.

$1011_2 \times 101_2$	$1111_2 \times 100_2$	$11010_2 \times 111_2$	$11011_2 \times 100_2$
$10010_2 \times 110_2$	$10100_2 \times 10_2$	$1111_2 \times 101_2$	$11000_2 \times 110_2$
$10010_2 \times 11_2$	$1101_2 \times 111_2$	$10011_2 \times 111_2$	$1001_2 \times 100_2$
$10011_2 \times 10_2$	$1011_2 \times 10_2$	$11100_2 \times 101_2$	$11010_2 \times 101_2$
$1001_2 \times 11_2$	$10011_2 \times 10_2$	$10111_2 \times 111_2$	$11100_2 \times 100_2$

Multiplying Binary Numbers (I) Answers

Calculate each product.

$1011_2 \times 101_2 = 110111_2$	$1111_2 \times 100_2 = 111100_2$	$11010_2 \times 111_2 = 10110110_2$	$11011_2 \times 100_2 = 1101100_2$
$10010_2 \times 110_2 = 1101100_2$	$10100_2 \times 10_2 = 101000_2$	$1111_2 \times 101_2 = 1001011_2$	$11000_2 \times 110_2 = 10010000_2$
$10010_2 \times 11_2 = 110110_2$	$1101_2 \times 111_2 = 1011011_2$	$10011_2 \times 111_2 = 10000101_2$	$1001_2 \times 100_2 = 100100_2$
$10011_2 \times 10_2 = 100110_2$	$1011_2 \times 10_2 = 10110_2$	$11100_2 \times 101_2 = 10001100_2$	$11010_2 \times 101_2 = 10000010_2$
$1001_2 \times 11_2 = 11011_2$	$10011_2 \times 10_2 = 100110_2$	$10111_2 \times 111_2 = 10100001_2$	$11100_2 \times 100_2 = 1110000_2$

Multiplying Binary Numbers (J)

Calculate each product.

$11100_2 \times 101_2$	$10010_2 \times 110_2$	$1110_2 \times 10_2$	$10100_2 \times 101_2$
$1111_2 \times 10_2$	$10001_2 \times 110_2$	$1101_2 \times 101_2$	$11110_2 \times 100_2$
$11001_2 \times 100_2$	$11000_2 \times 10_2$	$10010_2 \times 101_2$	$10100_2 \times 111_2$
$10010_2 \times 10_2$	$1001_2 \times 101_2$	$1001_2 \times 11_2$	$11111_2 \times 110_2$
$11011_2 \times 101_2$	$11110_2 \times 101_2$	$11010_2 \times 10_2$	$11101_2 \times 10_2$

Multiplying Binary Numbers (J) Answers

Calculate each product.

$11100_2 \times 101_2 = 10001100_2$	$10010_2 \times 110_2 = 1101100_2$	$1110_2 \times 10_2 = 11100_2$	$10100_2 \times 101_2 = 1100100_2$
$1111_2 \times 10_2 = 11110_2$	$10001_2 \times 110_2 = 1100110_2$	$1101_2 \times 101_2 = 1000001_2$	$11110_2 \times 100_2 = 1111000_2$
$11001_2 \times 100_2 = 1100100_2$	$11000_2 \times 10_2 = 110000_2$	$10010_2 \times 101_2 = 1011010_2$	$10100_2 \times 111_2 = 10001100_2$
$10010_2 \times 10_2 = 100100_2$	$1001_2 \times 101_2 = 101101_2$	$1001_2 \times 11_2 = 11011_2$	$11111_2 \times 110_2 = 10111010_2$
$11011_2 \times 101_2 = 10000111_2$	$11110_2 \times 101_2 = 10010110_2$	$11010_2 \times 10_2 = 110100_2$	$11101_2 \times 10_2 = 111010_2$