Spreadsheet: binary to decimal

Follow these steps to create a spreadsheet that converts binary numbers into decimal.

You need to be familiar with simple formulas (calculating the product of two values), basic functions (calculating the sum of a range of cells), and the AutoFill feature.

#  Step 1 The binary number.

Designate an area (a group of cells) where the digits of the binary number will be entered.



#  Step 2 Multipliers

Compute the multiplier for each of the binary digits. Use the cells above the binary digits.

Note: Do **not** enter the multipliers by hand, except the multiplier of the rightmost digit (which equals 1). Every other multiplier should be twice as big as the one to its right.



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#  Step 3 Products

Compute the product of each binary digit and its corresponding multiplier. Use the cells **below** the binary digits.



#  Step 4 The decimal number

Compute the decimal number. It is the sum of the products that you computed previously.

