

**Geeks for Geek:** <https://www.geeksforgeeks.org/binary-number-system/>

Teaches what is binary is, the conversions between decimal and binary, as well as the arithmetic operations with binary numbers.

The screenshot shows the 'Binary Number System' article on the Geeks for Geeks website. The article is dated 'Last Updated : 30 Sep, 2024'. It explains that the binary system uses two digits, 0 and 1, and is the foundation for modern computing. It mentions that the word 'binary' is derived from 'bi', meaning two. The article also lists various types of number systems, including Binary, Octal, Decimal, and Hexadecimal. A 'Table of Content' is provided with links to sections like 'Binary Number System', 'Binary Number Table', 'Binary to Decimal Conversion', 'Decimal to Binary Conversion', 'Arithmetic Operations on Binary Numbers', '1's and 2's Complement of a Binary Number', 'Uses of Binary Number System', and 'Binary Number System Example'. The page also features a sidebar with a 'Deck your walls.' advertisement and a 'Get 1 year extra access for free' offer.

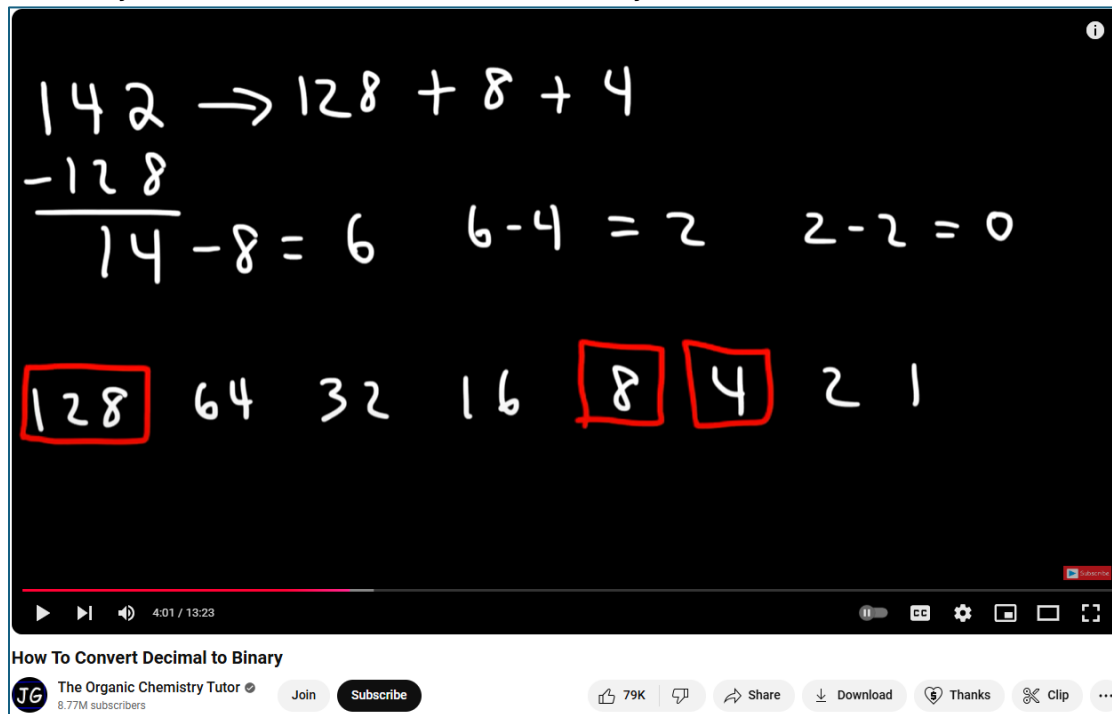
**All Math:** <https://links.allmath.com/binary-to-decimal.php>

Gives you a binary to decimal and decimal to binary calculator to fact check yourself if the answer is right. They also give some simple examples of a step-by-step process on how to get the answer.

The screenshot shows the 'Binary to Decimal Converter' tool on the AllMath website. The tool has a 'Binary' input field with a 'Random Examples' button and a 'Decimal' output field. A 'Calculate' button is located between the two fields. Below the input fields, there is a 'Share It' section with social media icons. A 'Table of Contents' is provided on the left, listing 'Binary to Decimal Converter', 'What is binary to decimal conversion?', and 'How to convert binary numbers to decimals?'. A 'Give Us Feedback' form is also present, with fields for 'Your Name', 'Email (Optional)', and 'How can we help you?'. The right sidebar contains 'Math Tools' (Metric Converter, Multiplication Table, Math Glossary, Metric Factors) and 'Other Languages' (EN, ES). The page also features an advertisement for 'Mérieux NutriSciences'.

The Organic Chemistry Tutor: <https://www.youtube.com/watch?v=rsxT4FfRBaM&t=9s>

Teaches you how to convert from decimal to binary.



The video shows a blackboard with the following content:

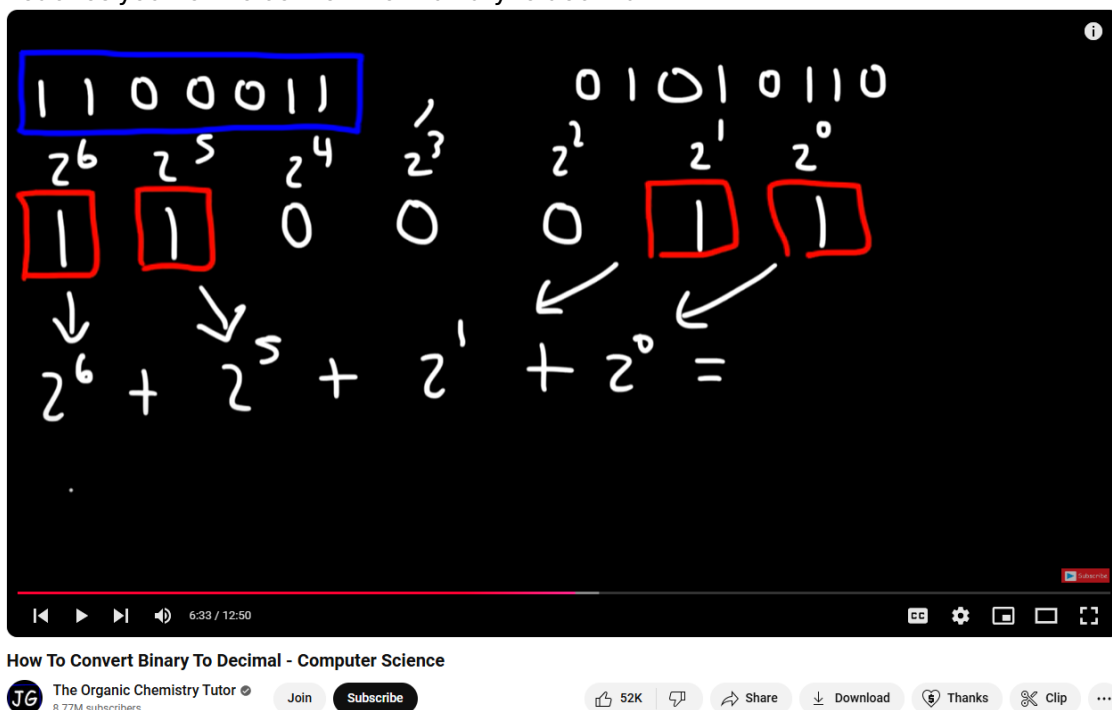
$$142 \rightarrow 128 + 8 + 4$$
$$\begin{array}{r} 142 \\ -128 \\ \hline 14 \end{array}$$
$$14 - 8 = 6 \quad 6 - 4 = 2 \quad 2 - 2 = 0$$

Below the calculations, a list of powers of 2 is shown: 128, 64, 32, 16, 8, 4, 2, 1. The numbers 128, 8, and 4 are highlighted with red boxes.

The video player interface at the bottom shows the title "How To Convert Decimal to Binary", the channel "The Organic Chemistry Tutor" with 8.77M subscribers, and engagement metrics: 79K likes, 1 comment, and share/download options.

The Organic Chemistry Tutor: <https://www.youtube.com/watch?v=rsxT4FfRBaM&t=9s>

Teaches you how to convert from binary to decimal.



The video shows a blackboard with the following content:

Binary number: 1100011

Below the binary number, the corresponding powers of 2 are listed:  $2^6$ ,  $2^5$ ,  $2^4$ ,  $2^3$ ,  $2^2$ ,  $2^1$ ,  $2^0$ .

The binary digits 1, 1, 0, 0, 0, 1, 1 are shown below the powers of 2. The first two 1s (under  $2^6$  and  $2^5$ ) and the last two 1s (under  $2^1$  and  $2^0$ ) are highlighted with red boxes.

Arrows point from the highlighted 1s to the following equation:

$$2^6 + 2^5 + 2^1 + 2^0 =$$

The video player interface at the bottom shows the title "How To Convert Binary To Decimal - Computer Science", the channel "The Organic Chemistry Tutor" with 8.77M subscribers, and engagement metrics: 52K likes, 1 comment, and share/download options.