

floor plan of a gothic cathedral

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how does a floor function work? - Mathematics Stack Exchange

The floor function takes in a real number x (like 6.81) and returns the largest integer less than x (like 6). Such a function is useful when you are dealing with quantities that can't be split up. For example, if a snack costs \$ 1.50, and you have \$ 10.00, you want to know how many snacks you can buy. $\$ 10.00 / \$ 1.50$ is around 6.66. Because you presumably can't buy a fraction of a snack ...

How to represent the floor function using mathematical notation?

4 I suspect that this question can be better articulated as: how can we compute the floor of a given number using real number field operations, rather than by exploiting the printed notation, which separates the real and fractional part, making nearby integers instantly identifiable. How about as Fourier series?

Adjusting the height of math floor symbol - TeX

The height of the floor symbol is inconsistent, it is smaller when the fraction contains a lowercase letter in the numerator and larger when the fraction contains numbers or uppercase letters in the numerator. Why is that the case? How can I produce floor symbols that are always the larger size shown in the picture?

Ceiling and floor functions - Mathematics Stack Exchange

What are some real life application of ceiling and floor functions? Googling this shows some trivial applications.

Big floor symbols - TeX - LaTeX Stack Exchange

When I write $\lfloor \frac{1}{2} \rfloor$ the floors come out too short to cover the fraction. How can I lengthen the floor symbols?

How do the floor and ceiling functions work on negative numbers ...

The correct answer is it depends how you define floor and ceil. You could define as shown here the more common way with always rounding downward or upward on the number line.

'Floor' and 'ceiling' functions - TeX - LaTeX Stack Exchange

Is there a convenient way to typeset the floor or ceiling of a number, without needing to separately code the left and right parts? For example, is there some way to do $\lceil x \rceil$ instead of \lceil ...

Floor Function Proof - Mathematics Stack Exchange

The floor function (also known as the entier function) is defined as having its value the largest integer which does not exceed its argument. When applied to any positive argument it represents the integer part of the argument obtained by suppressing the fractional part.

How to write ceil and floor in latex? - LaTeX Stack Exchange

Is there a macro in latex to write $\lceil x \rceil$ and $\lfloor x \rfloor$ in short form? The long form $\left\lceil x \right\rceil$ $\left\lfloor x \right\rfloor$ is a bit lengthy to type every time it is used.

ceiling and floor functions - What is the mathematical notation for ...

What is the mathematical notation for rounding a given number to the nearest integer? So like a mix between the floor and the ceiling function.