

## Using mathematical templates (Tutorial E1)

[http://www.atomiclearning.com/k12/en/movie/85863/play\\_window?type=Tutorial&sid=2410](http://www.atomiclearning.com/k12/en/movie/85863/play_window?type=Tutorial&sid=2410)

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You can use different templates within the calculator to quickly evaluate different types of functions. To do this, I'll

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press Home and then choose Calculator. Next, I'll press the Math Template Palette key to display the Template palette.

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Then I'll choose the appropriate template using the Touchpad. In this case, I'd like to evaluate a sum, so I'll highlight

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the sum template in the palette, and then press the Enter key. I need to evaluate the sum of  $n^{2/3}$  when  $n$  ranges

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from 1 to 5. The sum template shows dashed boxes where my values and expressions go, and follows the traditional

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written format for a sum, so I'll enter my values using the Touchpad to place the insertion point in each dashed

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box and entering the appropriate value or expression. I'll enter my index variable,  $n$ , and then I'll press the right

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arrow key to move to the next box. Now, I'll enter the lower bound of 1, and then I'll press the up arrow key

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twice, and enter the upper bound of 5. Next, I'll press the down arrow key and enter my expression in the parentheses,

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$n^{2/3}$ . Now, I can press the Enter key to return a value for the sum as  $55/3$ . To approximate this value as a decimal,



# TI-Nspire™ Handheld Script

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I'll press Ctrl and then Enter to see the fraction  $55/3$  approximated as 18.3 repeating.

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