

## Using mathematical templates (Tutorial E1)

[http://www.atomiclearning.com/k12/en/movie/28240/play\\_window?type=Tutorial&sid=1674](http://www.atomiclearning.com/k12/en/movie/28240/play_window?type=Tutorial&sid=1674)

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

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application into a new blank page by pressing Insert, and then choosing Calculator. Next, click the Math Templates button to

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open the Template palette, and choose the appropriate template. In this case, I'd like to evaluate a sum, so I'll roll over the

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sum template in the palette, and double-click. I need to evaluate the sum of  $n^2/3$  when  $n$  ranges from 1 to 5. The sum template shows

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dashed boxes where my values and expressions go, and follows the traditional written format for a sum, so I'll enter my values

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by clicking on each dashed box and entering the appropriate value or expression. I'll enter my index variable,  $n$ , and then I'll

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click on the next box. Now, I'll enter the lower bound of 1, followed by my expression in parentheses,  $n^2/3$ , and then I'll click on

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the upper bound and enter 5. Now, I can press the Enter key to return a value for the sum as  $55/3$ . To approximate this value

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as a decimal, I'll open the Number tools and choose the top option, Convert to Decimal, and then I'll press Enter to see the fraction

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$55/3$  approximated as 18.3 repeating.

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