How to write complex questions using MathJax

Moodle Help & Support

How to: Write scientific equations using MathJax and LaTeX

There is an equation editor in the expanded formatting toolbar in every description, summary related text-box e.g. Labels, Quiz questions, Page etc. To use the editor you need to be able to write code using either MathJax (preferable) or LaTeX. There are lots of websites out there to help you, especially with complex equations. Here is a basic guide to getting started with the equation editor using MathJax.

Accessing the equation editor

- Go into your module in Moodle
- Click 'Add an activity or resource'
- Within the settings of the activity/resource will have at least one large text box e.g. Description or Summary. Expand the formatting toolbar using the icon on the far left of the toolbar.
- Click on the button to open the equation editor

Equation display types

There are two types of equation displays.

1. **Inline.** This is when the equation forms part of a sentence and appears as the same height as the text e.g. when used in the text of a question.
2. **Displayed.** This is when the equation appears larger than the text, usually used as an example of an equation between two paragraphs.

Similar tutorials
The following other resources are also relevant to this topic:
- How to Add questions to a Moodle quiz
- How to create a label

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