

Creating a Simple Calculated Question

This article will show you how to create a simple calculated question. This question allows you to enter a question which MyPlace will substitute in different values so that students get different questions. You then enter a formula for the answer.

For more in depth instructions see [moodle documentation on the simple calculated question type](#).

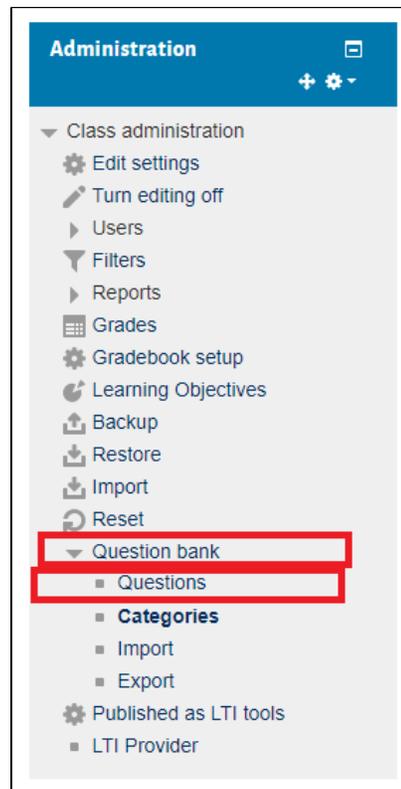
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Step 1 - Open the question bank

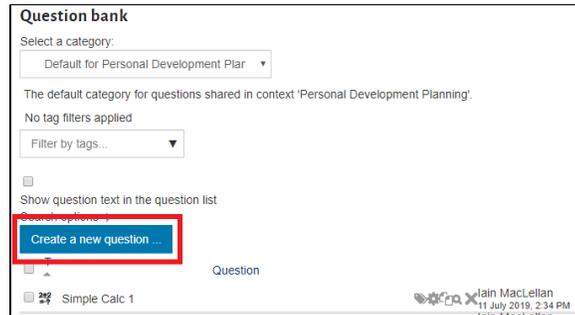
Create a question by selecting the drop down for 'question bank' and then select 'questions'

Click any image below to enlarge



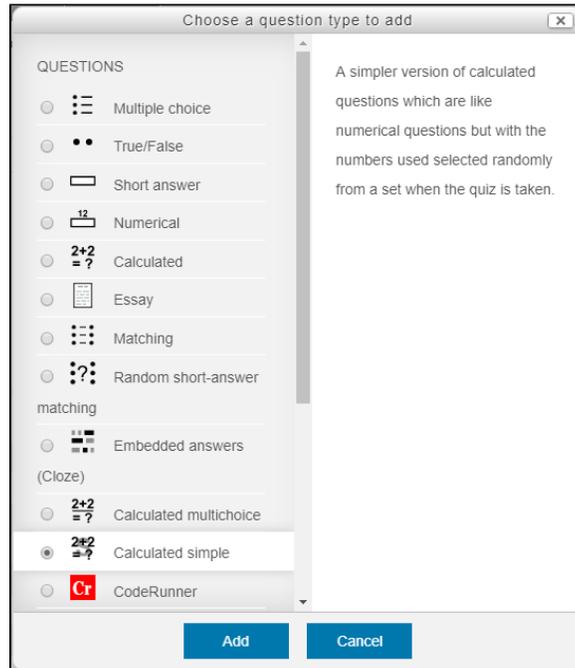
Step 2 - Create a new question

On the next page select the 'create a new question' button



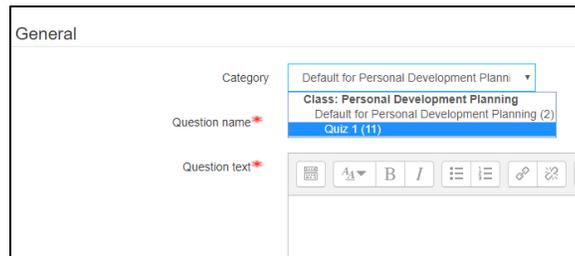
Step 3 - Choose calculated simple

Select 'calculated simple' from the list then click 'Add'



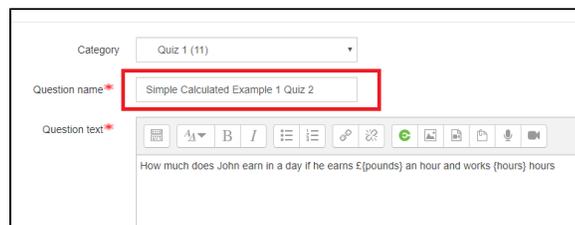
Step 4 - Select a category

Select which category you want the question to be added to in the question bank



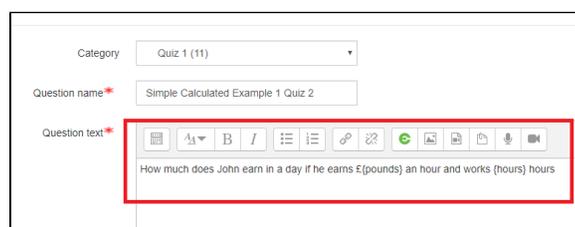
Step 5 - Name the question

Enter a question name, this will **not** be shown to students but should help identify the question for you



Step 6 - Enter the question text

You will have to enter at least one 'wildcard' which is the placeholder that allows MyPlace to substitute in values for you. This is done by writing the wildcard inside {curly brackets}



Step 7 - Select the default mark

This sets the maximum mark for this question.

Step 8 - Score the question

Now enter the correct answer formula, using the wildcard(s) that you entered and any feedback necessary. You should also enter 100% if this is the correct answer. Decimal places and tolerance can also be set.

Answer 1 formula = (pounds) * (hours) Grade 100%

Tolerance ± 0.01 Type Relative

Answer display 2 Format decimals

Feedback Well done

Blanks for 1 more answers

Step 9 - Define units (optional)

If you want to use units you can enter them here

Unit handling Units are not used at all. Only the number

Unit penalty 0.1 as a fraction (0-1) of the response grade

Units are input using the text input element

Units go on the right, for example 1.00cm or 1.00l

Unit 1 1.0

Blanks for 2 more units

Step 10 - Check the 'wild card' variables can be found

Now click the 'Find the wild cards' button.

Find the wild cards (x) present in the correct answer formulas

Step 11 - Set up the wild card parameters

The page will refresh and produce this next set of options, choose how many wildcards you want generated and click generate.

Generate 10 new set(s) of wild card(s) values

Display 1 set(s) of wild card(s) values

You must add at least one set of wild card(s) values before you can save this question

Step 12 - Review

The page will refresh and you will be able to view the produced values. This will be the pool of questions the students will be asked.

Update the wild card(s) values

Wild card (pounds) 8.7

Wild card (hours) 4.5

Set 10 (pounds) * (ho... 2.0 * 6.8 = 13.60
Correct answer : 13.60 inside limits of true value
Min: 13.464 --- Max: 13.736

Wild card (pounds) 7.5

Wild card (hours) 2.1

Set 9 (pounds) * (ho... 3.4 * 4.6 = 15.64
Correct answer : 15.64 inside limits of true value
Min: 15.4836 --- Max: 15.7964

Step 13 - Save changes

You will then be displayed with your question and other questions in that category. You can click the magnifying

glass icon  to preview the

question or the cog  to further edit it

For information on adding questions to your quiz see the 'Adding Questions To Your Quiz' section of [Creating Quiz Questions](#).

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