

# Variable Numeric Set with Units question type

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2194 0

Please simplify this formula:

$$\int_2^7 49x dx$$

Answer:

Please simplify this formula:

$$\int_2^6 36x dx$$

Answer:

An example of Variable Numeric Set with Units question type

## Overview:

This guide will show you how to create a Variable Numeric Set with Units question type.

## What to know:

The features of Variable Numeric Set with Units question type are listed below.

1. It supports random variables in the questions. ( As can be seen from the example above, one student sees the question as shown in the first picture, while another student sees the question as shown in the second picture. It is because this question uses random variables.)
2. It supports variables defined by other expressions.
3. It supports variables with multiple pre-defined values.
4. It supports answer tolerance and the use of units.

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### Step 1: Access the Quiz activity where you want to create the question

In your module area/course, click the link of the Quiz activity where you want to create a question.

▼ **Topic 5**

☒ Example Quiz

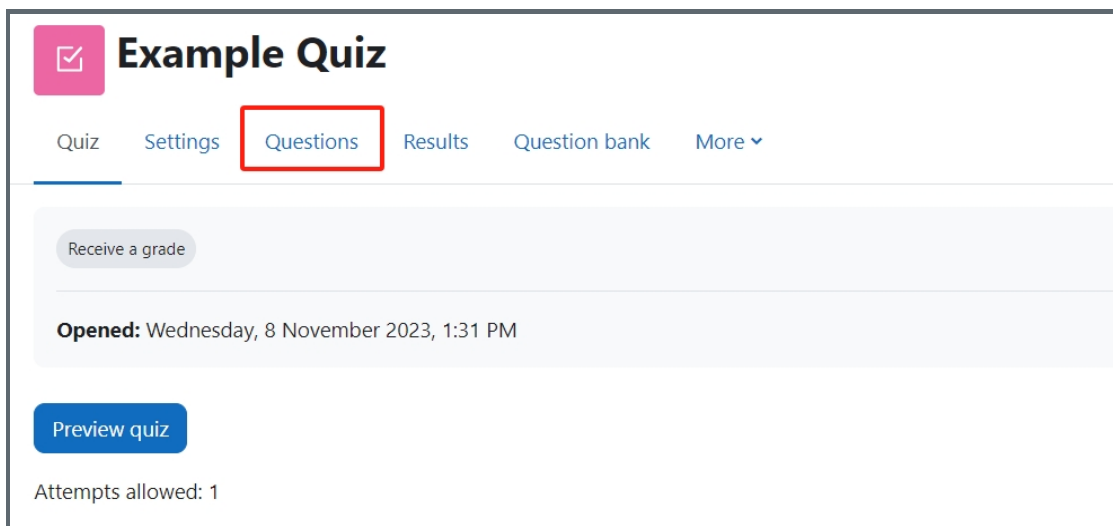
Receive a grade

Opened: Wednesday, 8 November 2023, 1:31 PM

Note: If an appropriate Quiz activity doesn't exist in your module area/course, please see [Add a quiz](#) for details of how to create one.

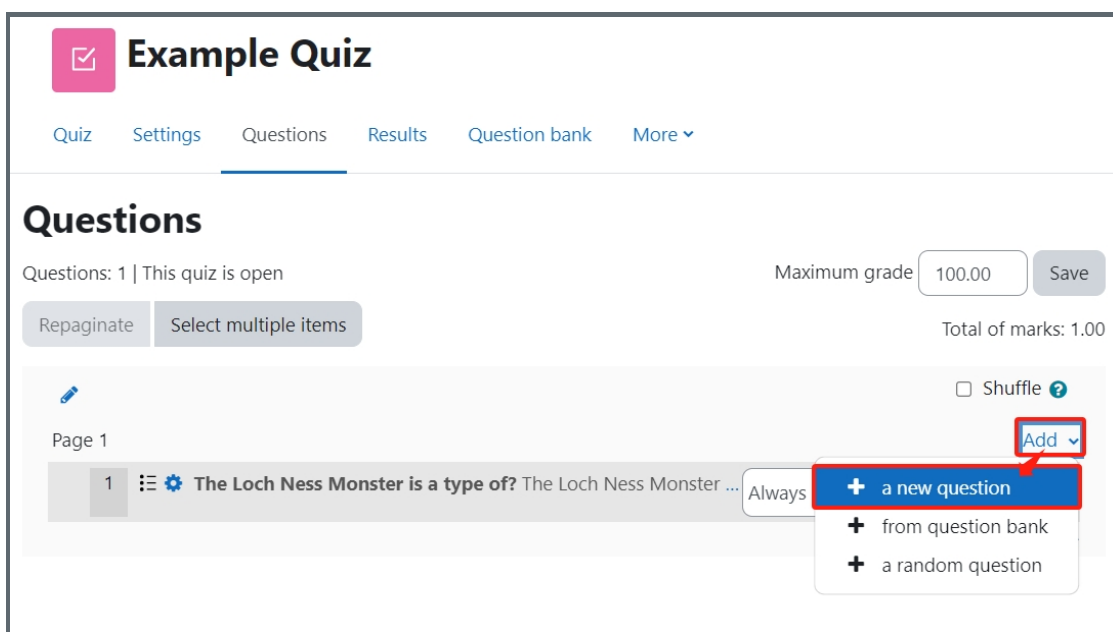
## Step 2: Open the 'Questions' tab

1. Open the 'Questions' tab



## Step 3: Add a new question

1. On the following page, click the 'Add' link.
2. Click the 'a new question' link in the dropdown menu.



## Step 4: Choose a question type

1. Locate and select the Variable Numeric Set with Units question type from the pop-up window.
2. Click the 'Add' button.



Units

Unit 1 ?

kg

Spaces in units

Remove all spaces before grading

Spacing feedback ?

You are required to put a space between the number and the unit.

Replace dashes

No

Grade

100%

Feedback

### Tips:

The random variables, such as variable a and b, need to be covered with '[[ ]]', the whole formula needs to be covered with '\$\$' before and after so that the system knows it is a random variable.

### Note:

For more information about Variable Numeric question type, please access the official documentation:

<https://www.open.edu/openlearncreate/mod/oucontent/view.php?id=52747&section=2.1.2>