

# Matrix/Kprime Question

Match the adult to their young:

	Tadpole	Joey	Foal	Puppy
Poney	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Dog	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Kangaroo	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Frog	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

An example of All or Matrix/Kprime question type

## Overview

Matrix/Kprime Question type allows students to match the answers with different questions in a table format.

## What to know

Matrix/Kprime Question type is suitable for a series of similar questions with confusing answers. Students need to match the answers to each question. The question format is very clear and easy to conduct.

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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 new Multiple Choice question.

▼ Topic 5

 Example Quiz

Receive a grade

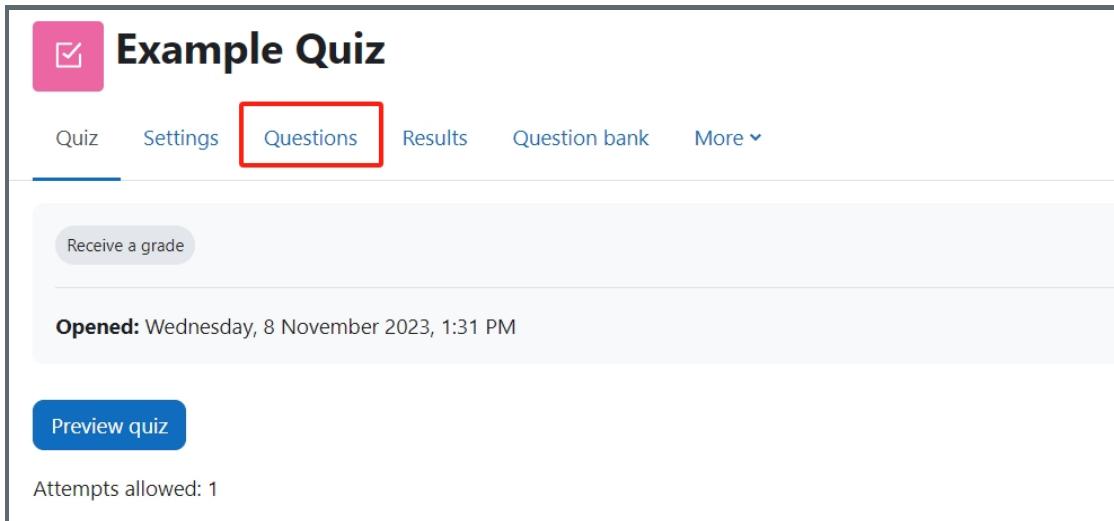
Opened: Wednesday, 8 November 2023, 1:31 PM

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: Questions editing page

1. Click the 'Questions' tab.



Example Quiz

Quiz    Settings    **Questions**    Results    Question bank    More ▾

Receive a grade

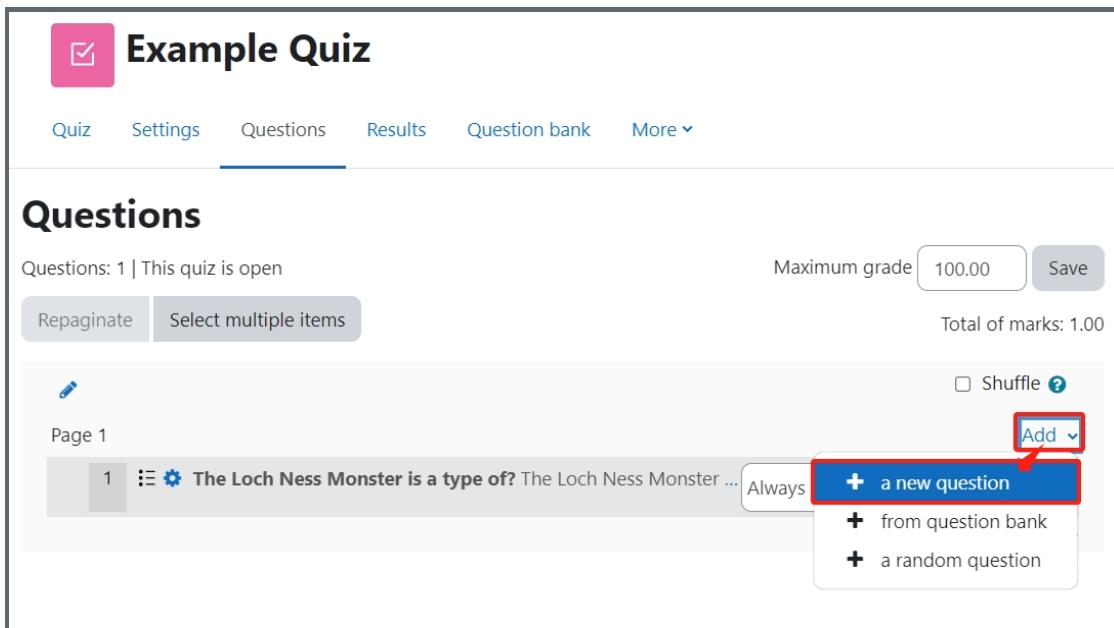
Opened: Wednesday, 8 November 2023, 1:31 PM

Preview quiz

Attempts allowed: 1

## Step 3: Add a new question

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



Example Quiz

Quiz    Settings    **Questions**    Results    Question bank    More ▾

## Questions

Questions: 1 | This quiz is open

Maximum grade: 100.00    Save

Total of marks: 1.00

Repaginate    Select multiple items

Page 1

1    The Loch Ness Monster is a type of? The Loch Ness Monster ... Always

Shuffle ?

**Add** ▾

- + a new question
- + from question bank
- + a random question

## Step 4: Choose a question type

1. Locate and select the Matrix/Kprime question type from the pop-up window.
2. Click the 'Add' button.

## Choose a question type to add

×

-  Drag-and-Drop Matching
-  Embedded answers (Cloze)
-  Essay (auto-grade)
-  Gapfill
-  Matrix/Kprime
-  Ordering
-  Pattern match
-  Random select answers
-  Random short-answer matching
-  Select missing words
-  ShortMath
-  STACK

In matrix questions various statements regarding a common subject have to be rated correctly. In Kprime questions exactly four such statements have to be correctly rated as "true" or "false".

Add

Cancel

## Step 5: General settings

Set the general information of the question by:

**General**

Category: Default for Chenhui's Test Module (1)

Question name: !

Question text: !   


Question status: Ready

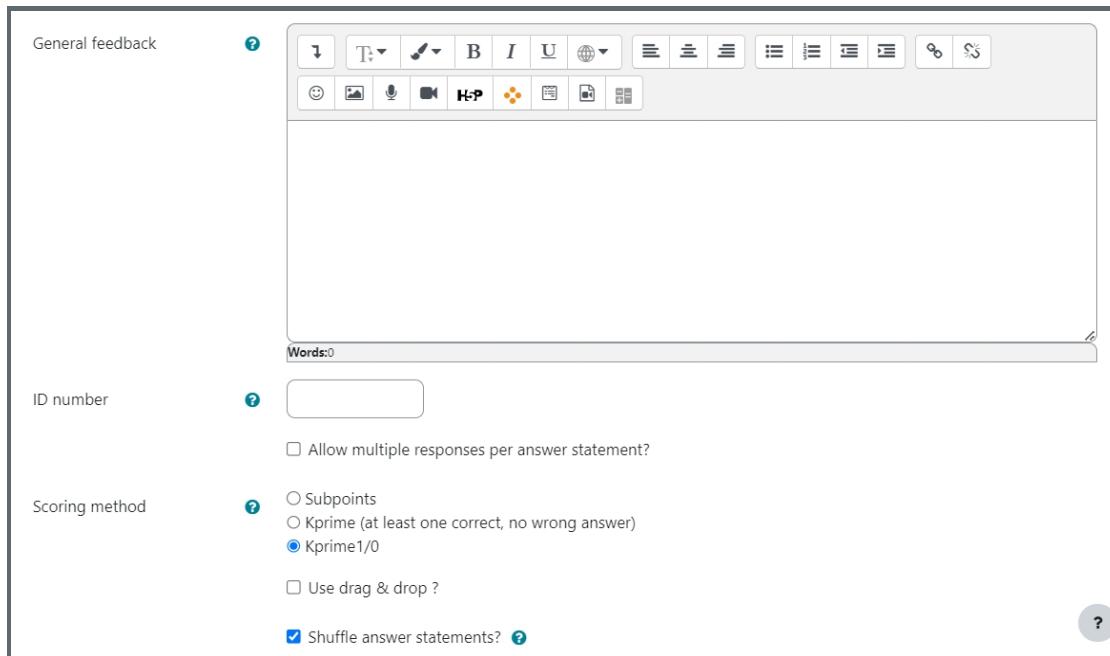
Default mark: 1

Category: Where you want the question to be saved.

Question name: It will be shown when you are searching the questions in question bank, but students can't see the question name.

Question text: It describes the question itself and students will see it when taking the quiz.

Default mark: Please set the default mark as 1. We can change the marks later when you are editing the whole quiz.



The screenshot shows a question editor window with the following fields:

- General feedback:** A large text area with a toolbar above it containing text, image, video, and other editing icons. A word count "Words: 0" is shown below the toolbar.
- ID number:** A text input field.
- Scoring method:**
  - Subpoints
  - Kprime (at least one correct, no wrong answer)
  - Kprime1/0

Use drag & drop ?

Shuffle answer statements? [?](#)

**General feedback:** General feedback is shown to the student after they have completed the question. Unlike specific feedback, which depends on the question type and what response the student gave, the same general feedback text is shown to all students. You can use the general feedback to give students a fully worked answer and perhaps a link to more information they can use if they do not understand the questions.

**ID number:** If used, the ID number must be unique within each question category. It provides another way of identifying a question which is sometimes useful, but can usually be left blank.

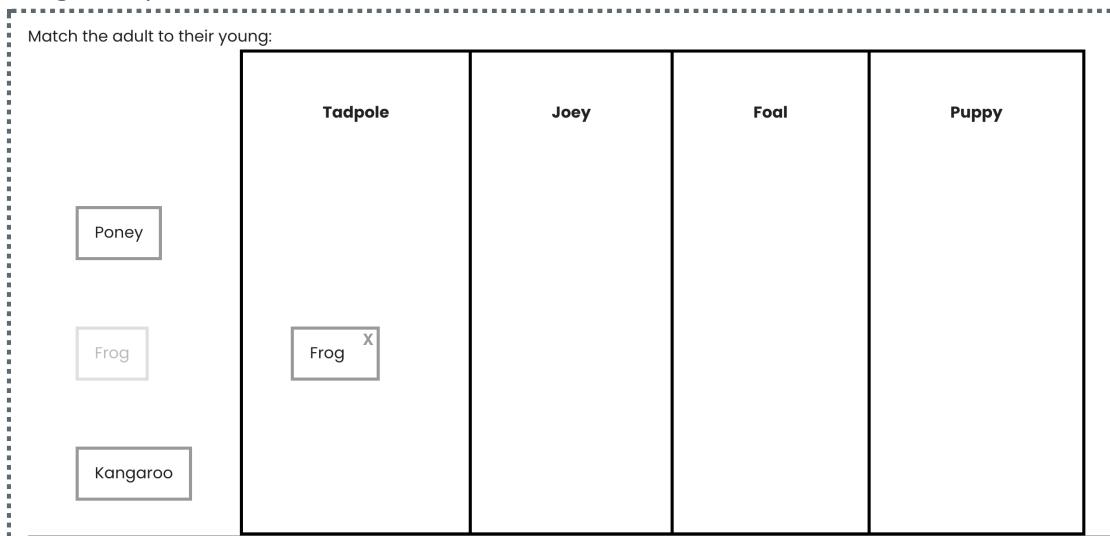
**Scoring method:** There are some options of the scoring method for you to select.

**Subpoints:** The student is awarded subpoints for each correct response.

**Kprime:** The student receives one point, if all responses are correct, half a point if one response is wrong and the rest of responses are correct, and zero points otherwise.

**Kprime1/0:** The student receives one point, if all responses are correct, and zero points otherwise. The scoring methods Kprime and Kprime1/0 should only be used for questions with exactly four answer statements.

**Use drag & drop:** An option to use drag and drop method to choose answers. The layout of the question will looks like the following example:



The screenshot shows a matching exercise titled "Match the adult to their young:". On the left, there is a list of labels: "Poney", "Frog", and "Kangaroo". On the right, there is a grid of four boxes labeled "Tadpole", "Joey", "Foal", and "Puppy". In the center of the grid, there is a box labeled "Frog" with a small "X" next to it, indicating it is a wrong match.

## Step 6: Response Matrix

Type in the questions and answers.

	Tadpole	...	Joey	...	Foal	...	Puppy	...	Feedback	+
Poney	...		○		○		●	○	...	
Frog	...		●		○		○	○	...	
Kangaroo	...		○		●		○	○	...	
Dog	...		○		○		●	○	...	
+ +										

Left column: Type in the questions

Top arrow: Type in the available answers

### Tips:

1. Please click the button with cross icon to add more questions or answers.



2. If you want to make some more editing of the text, please click the dash icon to expand the text editor:

The image shows a text editor interface with a yellow background. At the top, there is a 'Description' field with a red circle around its '...' button. To the right of the field is a blue '+' button. Below the field is a toolbar with icons for text alignment, bold, italic, underline, and other formatting. A large red box highlights the main text input area, which is currently empty. The bottom of the editor shows 'Words:0'.

## Step 7: Tags (Optional)

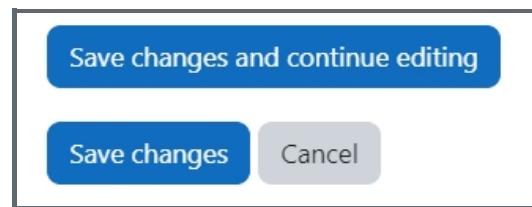
If you are using tags, you can easily search for the question by the tag in the question bank.

▼ Tags

Tags	Any tags
<input type="text" value="Search"/> <span>▼</span>	

## Step 8: Save changes

Please click the "Save changes and continue editing" or "Save changes" to save your changes.



Tips: You can also preview the questions by clicking:



Other guides you may be interested:

1. [Matching question](#)
2. [Drag and drop matching](#)

Online URL: <https://knowledgebase.xjtu.edu.cn/article/matrix-kprime-question-26.html>