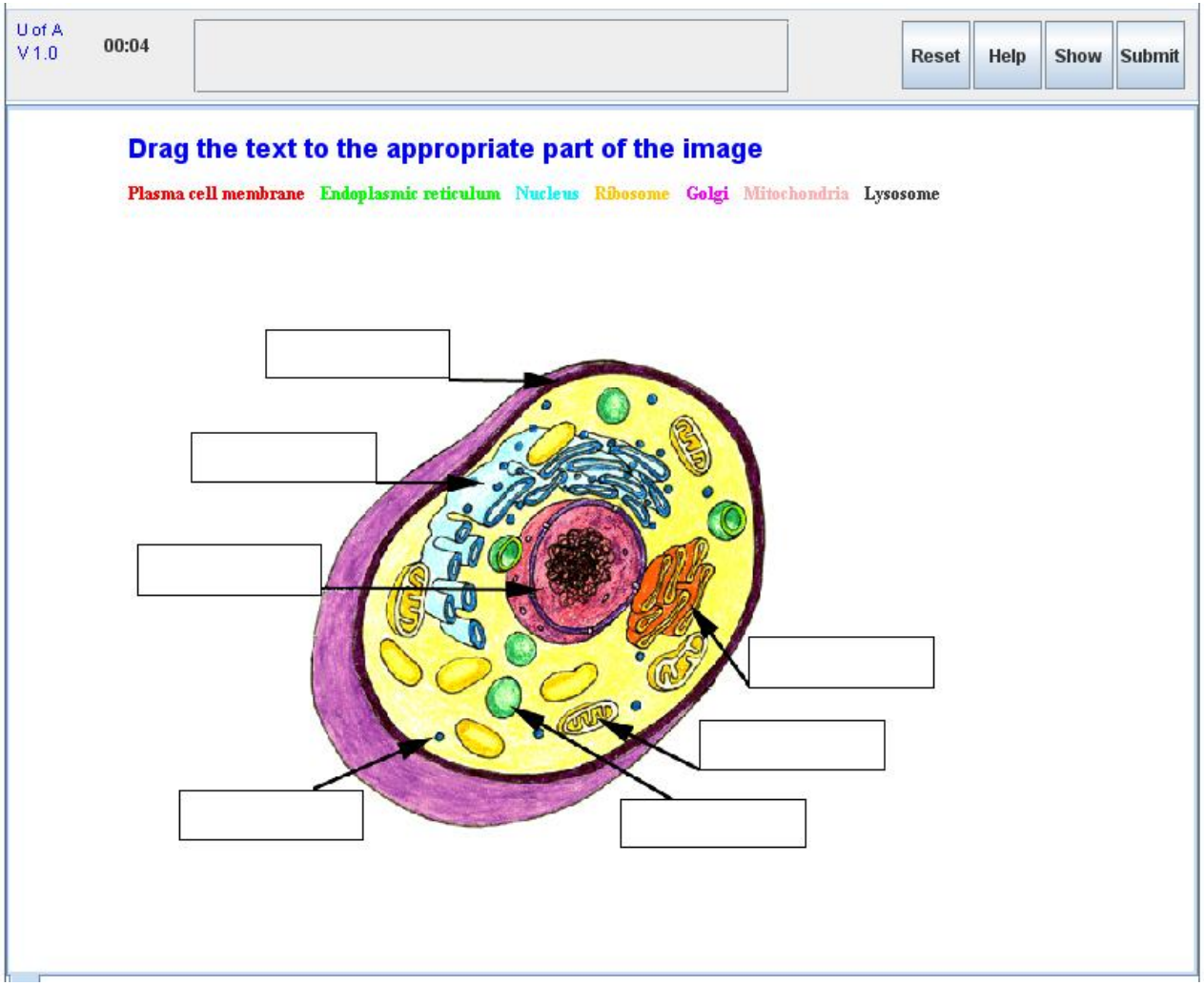
Item Types Screen Shots update

CROME Project Team

This document contains new Item types and examples of our CROME project. A brief description is also included.

Biology

Example 1

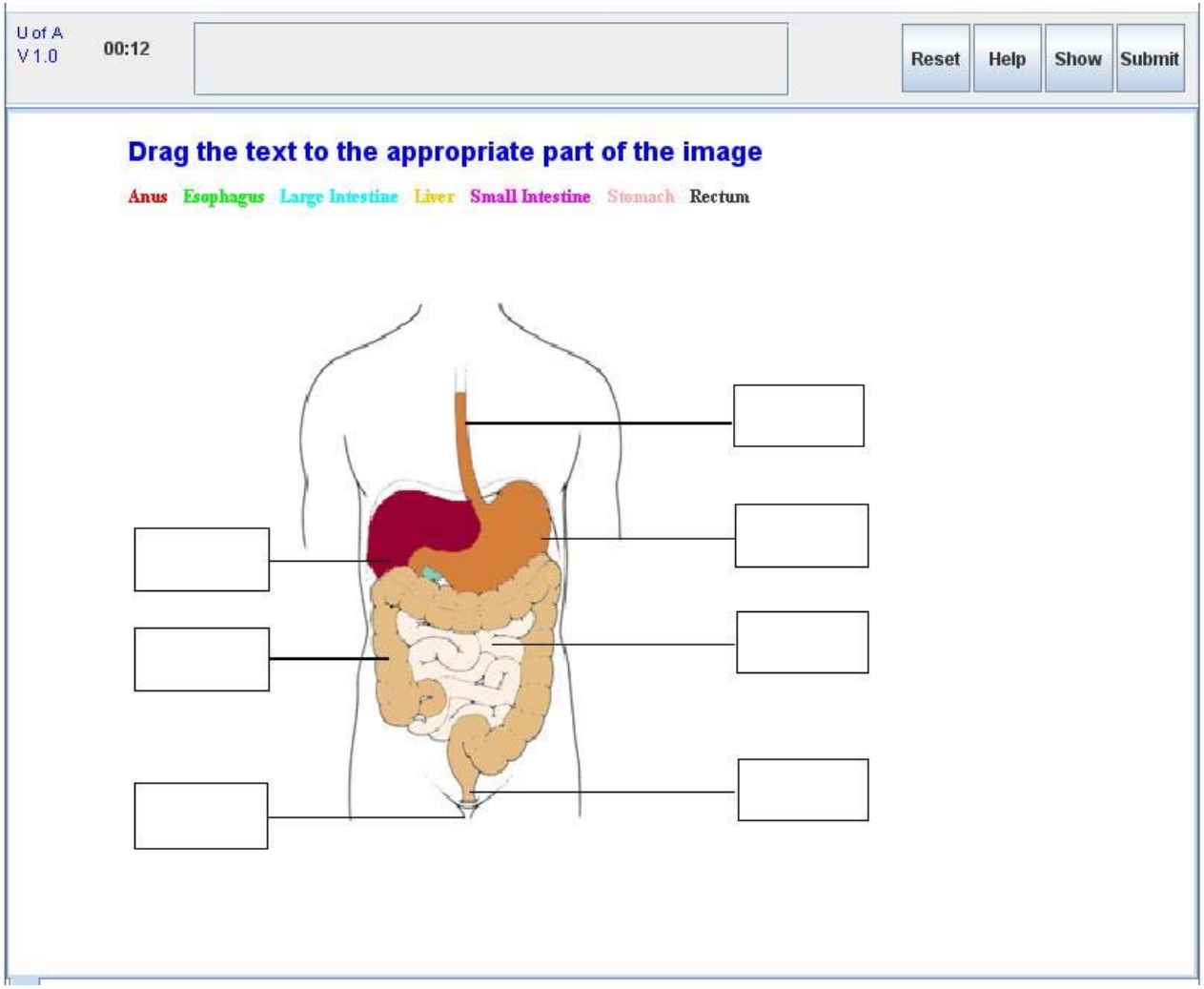


This item type deals with dragging ordinary texts to label parts of an image.

In this example, the student has to use the mouse to drag the correct names to label the corresponding parts of the image.

Biology

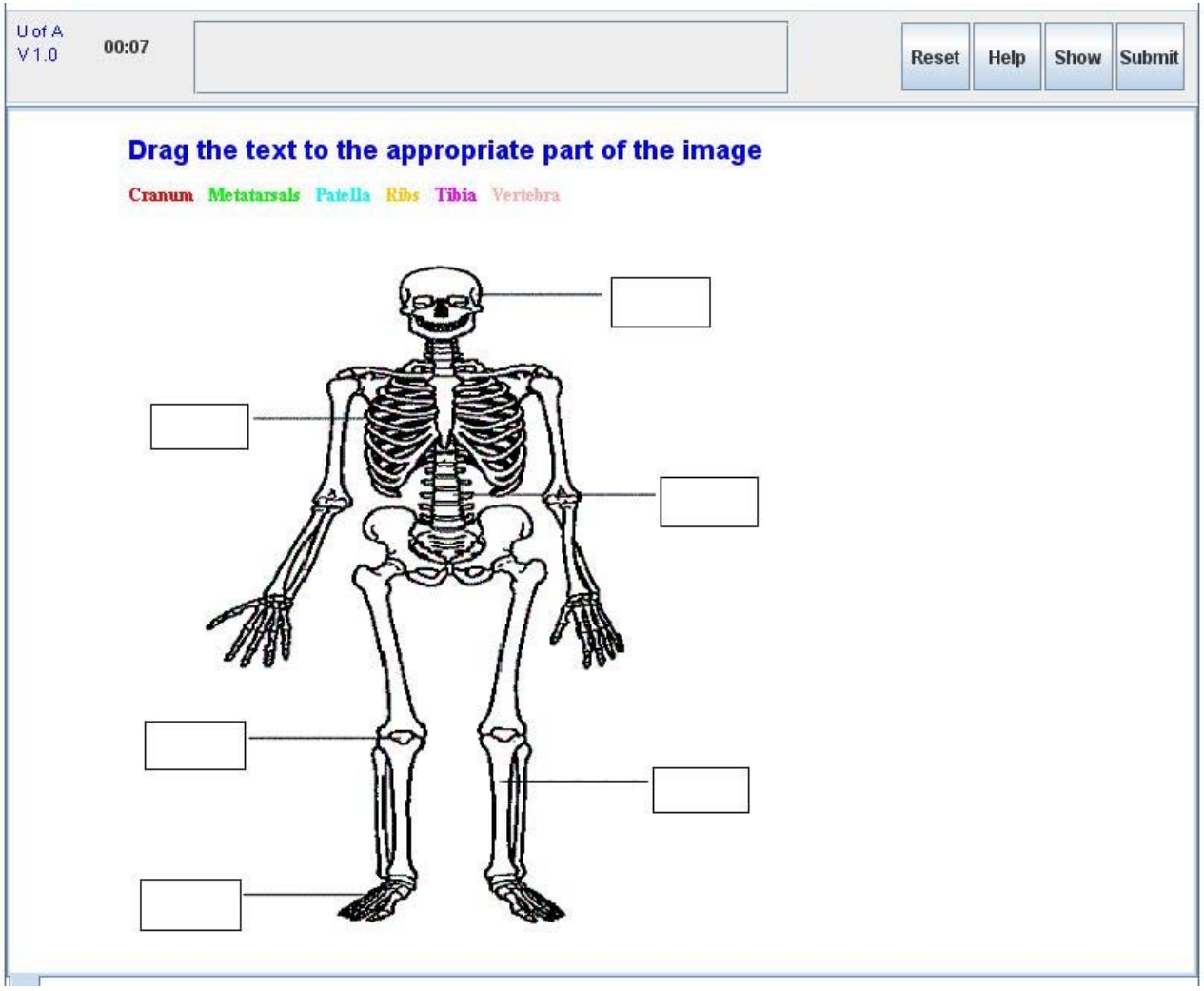
Example 2



This is another similar biology example.

Biology

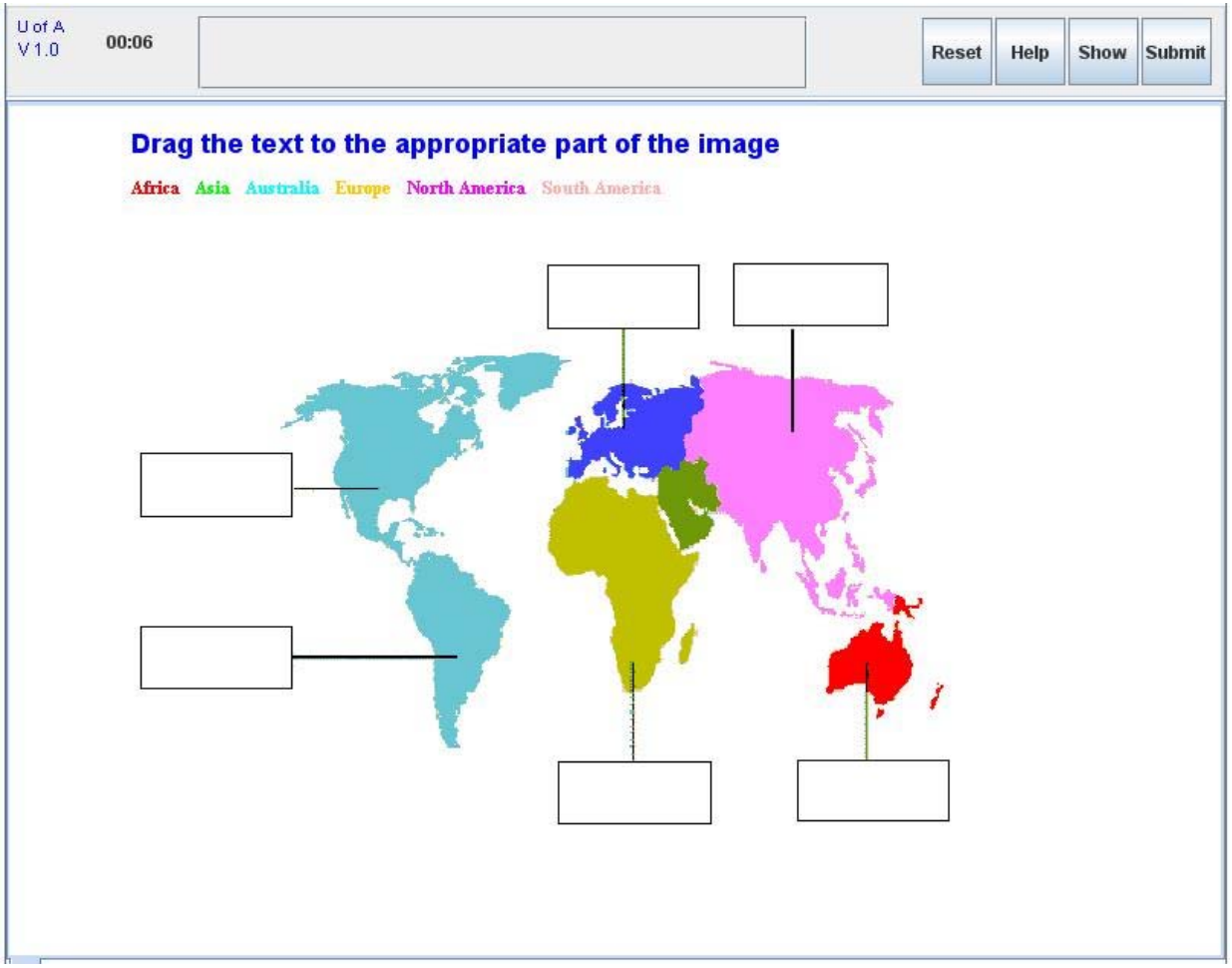
Example 3



More biology example.

Geography

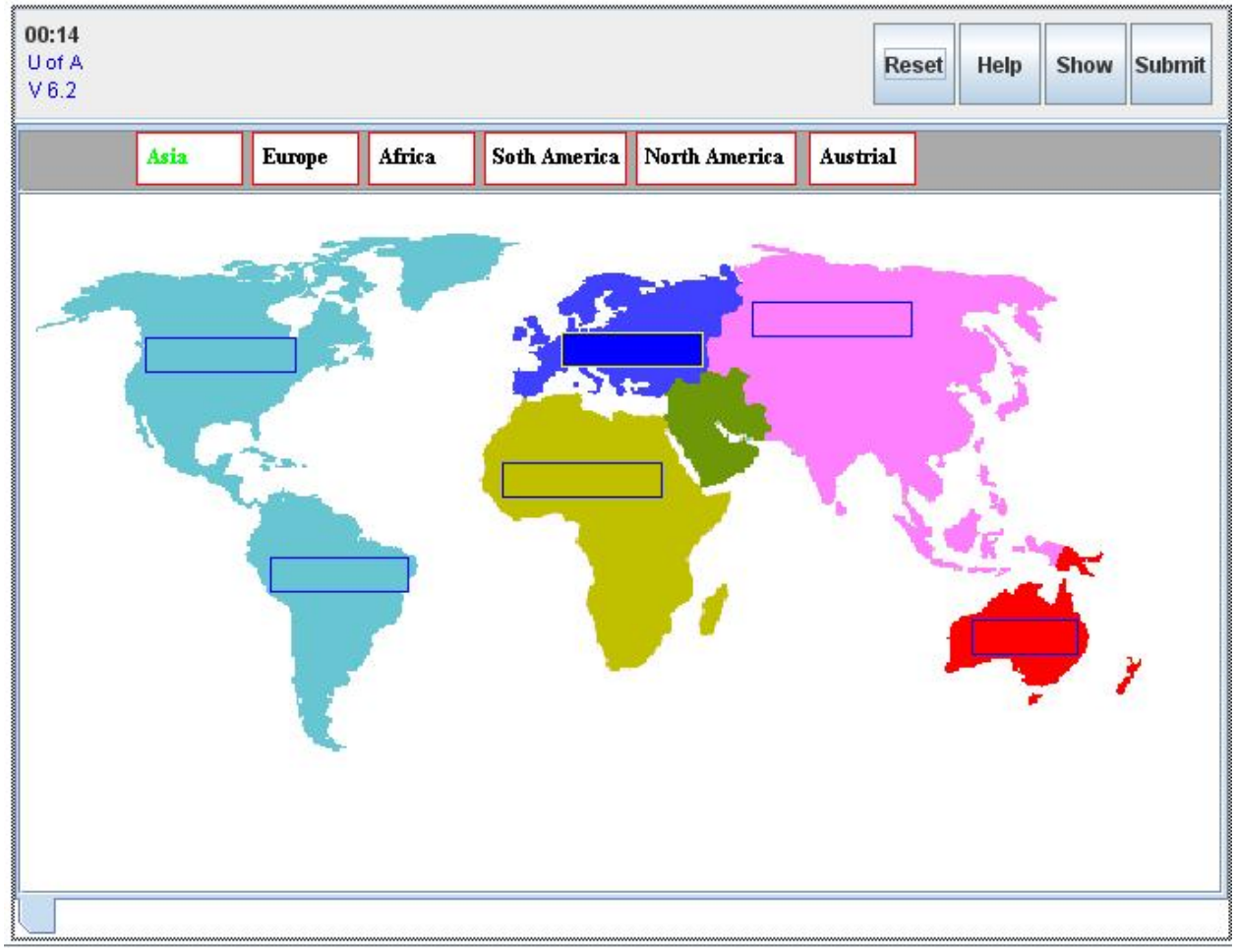
Example 1



This example tests the students knowledge geographic location where the student has to use the mouse to drag the various continent names to match the right location on the map.

Geography

Example 2

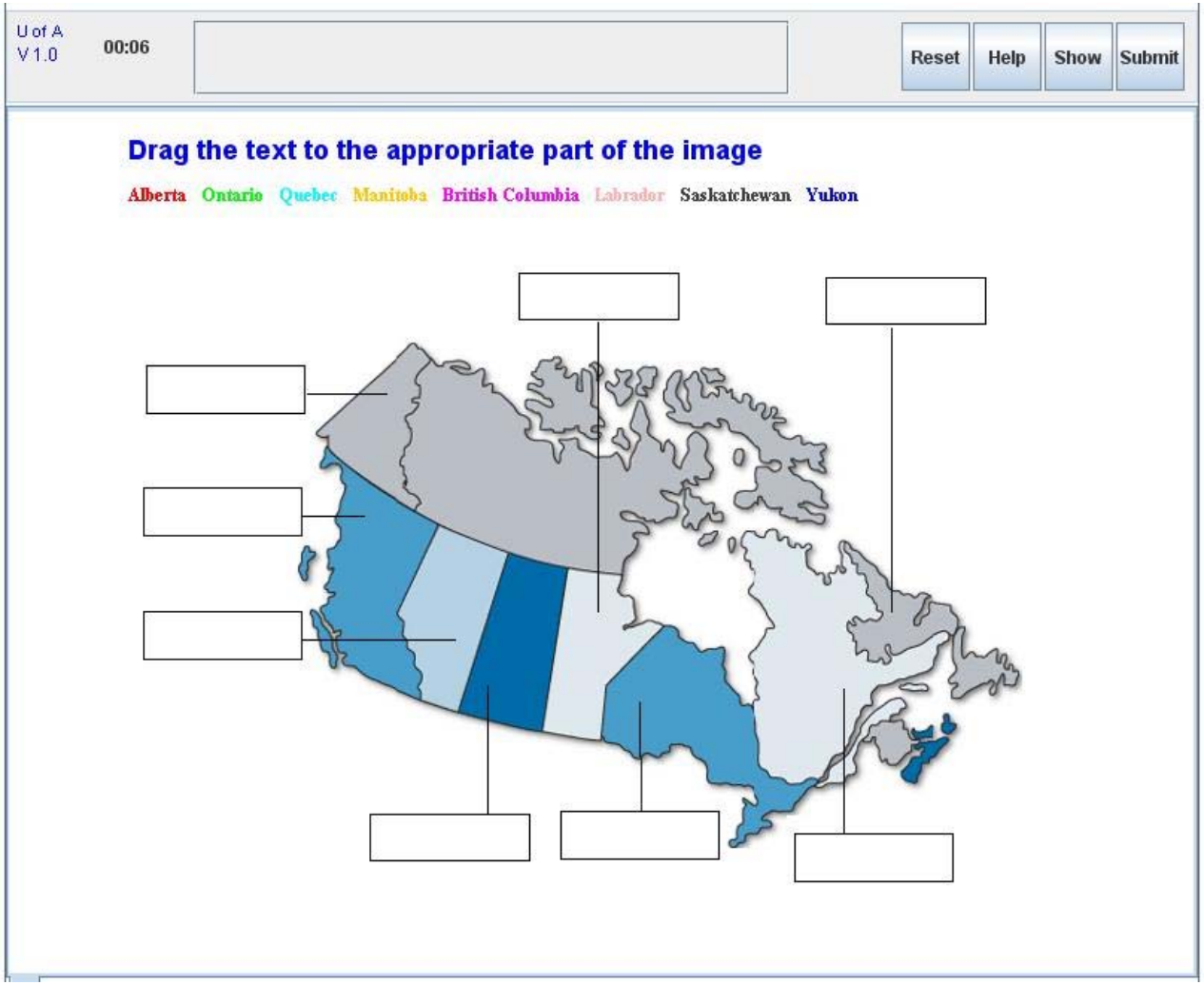


The same item type, different format.

The student uses the mouse to drag the correct continent names to the appropriate areas in the image.

Geography

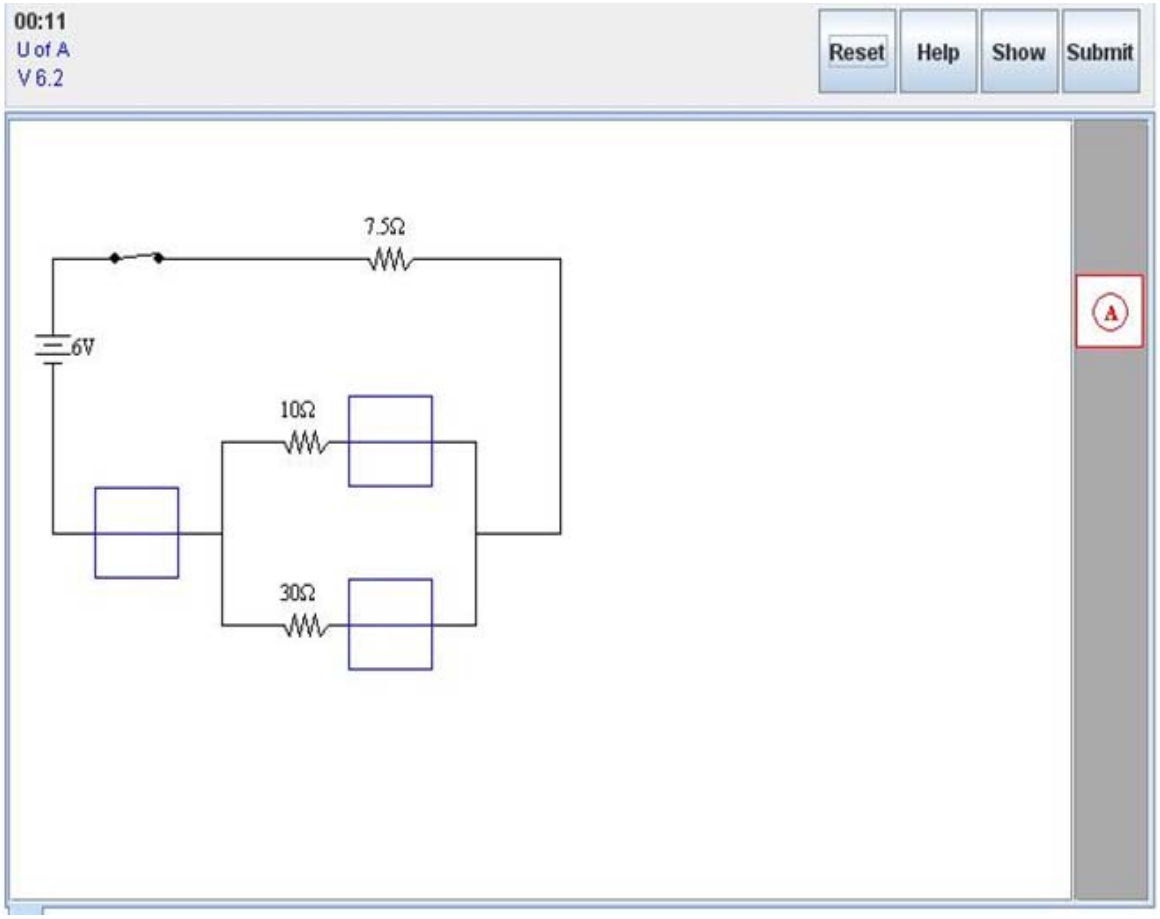
Example 3



Another geography example which tests how well the student knows about the provinces of Canada and how they are located on the map of Canada.

Physics

Example 1

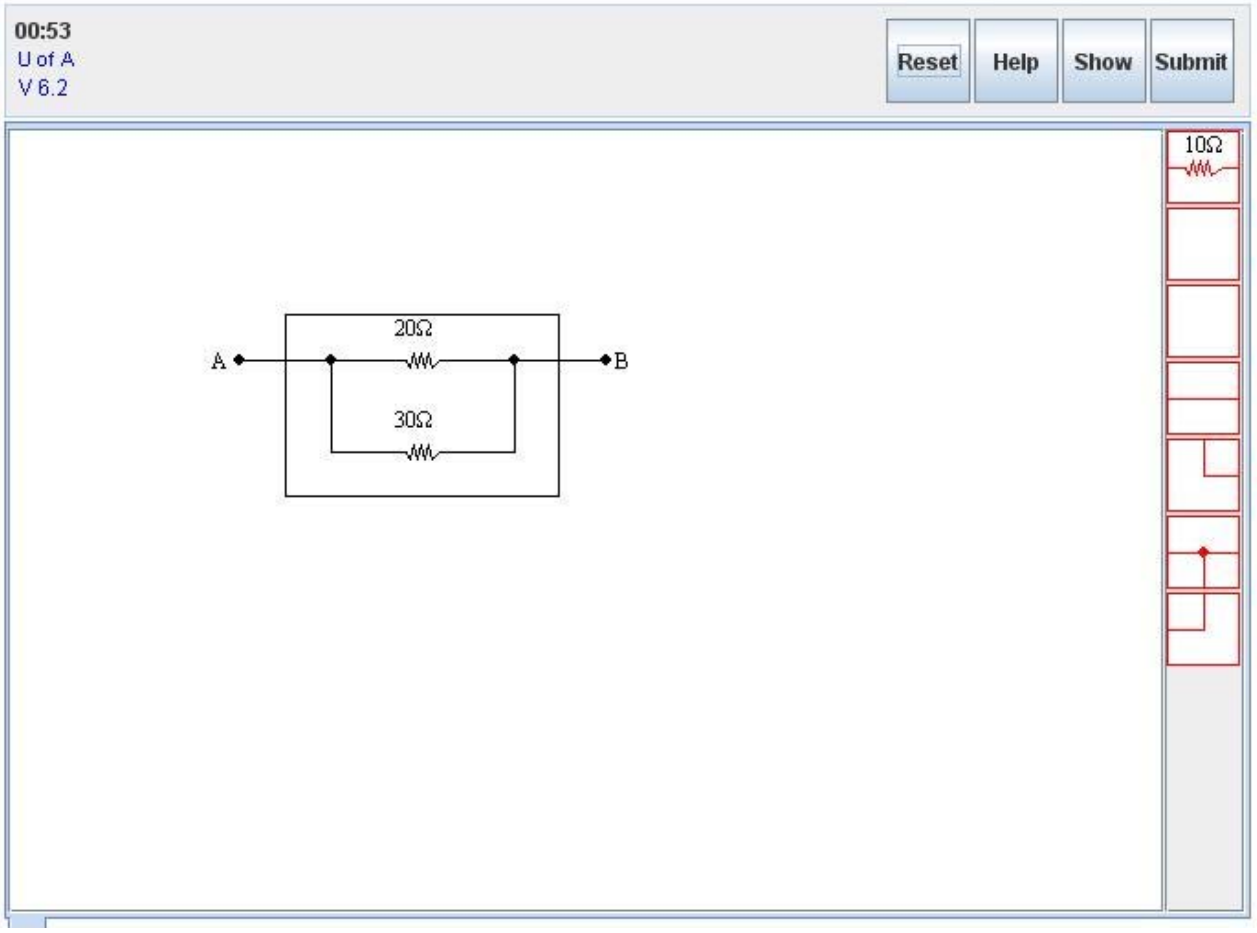


This example test the student's ability on electrical circuits.

In this physics example, the student has to use the mouse to drag the Ammeter symbol to the place where the electrical current is 0.4A

Physics

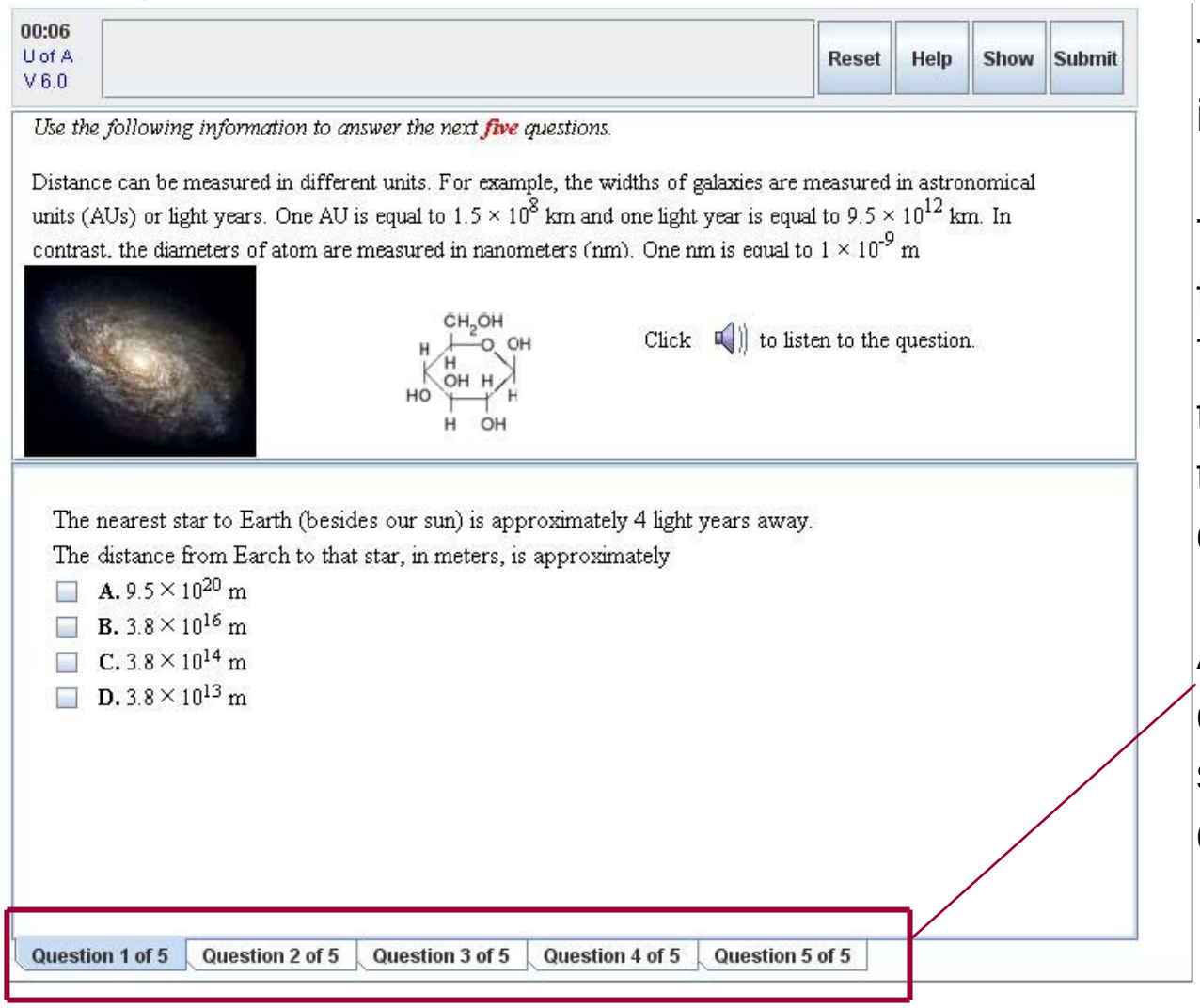
Example 2



Similar drag and drop example but here the student has to identify a different electrical circuit symbol.

Physics

Example 3



This is a multiple choice item type.

This example contains five questions.
The student has to use the giving information to answer all five questions.

At the bottom of the question window, the student can click on different questions.

Physics

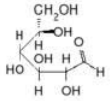
Example 3 continued

02:42
U of A
V 6.0

Reset | Help | Show | Submit

*Use the following information to answer the next **five** questions.*

Distance can be measured in different units. For example, the widths of galaxies are measured in astronomical units (AUs) or light years. One AU is equal to 1.5×10^8 km and one light year is equal to 9.5×10^{12} km. In contrast, the diameters of atom are measured in nanometers (nm). One nm is equal to 1×10^{-9} m



Click to listen to the question.

The following choice items are complex mathmatical (chemical, physical, etc) equations.

They are images and generated by Latex and acrobat.

A. $P_i(\theta_j) = P(u_i = 1|\theta_j, a_i, b_i, c_i) = c_i + \frac{1 - c_i}{1 + e^{-Da_i(\theta_j - b_i)}}$

B. $CH_3COOC_2H_5 + H_2O \underset{\text{catalyst}}{\overset{\text{acid or basic}}{\rightleftharpoons}} CH_3COOH + C_2H_5OH$

C. $\rho = \frac{V}{A}$

D. $\frac{\sqrt{2}}{2}$

Question 1 of 5 | Question 2 of 5 | Question 3 of 5 | Question 4 of 5 | Question 5 of 5

03:15
U of A
V 6.0

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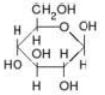
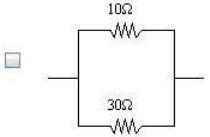
*Use the following information to answer the next **five** questions.*

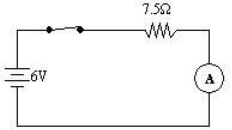
Distance can be measured in different units. For example, the widths of galaxies are measured in astronomical units (AUs) or light years. One AU is equal to 1.5×10^8 km and one light year is equal to 9.5×10^{12} km. In contrast, the diameters of atom are measured in nanometers (nm). One nm is equal to 1×10^{-9} m

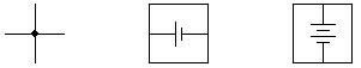


Click to listen to the question.

Physics circuit example







Question 1 of 5 | Question 2 of 5 | Question 3 of 5 | Question 4 of 5 | Question 5 of 5

English

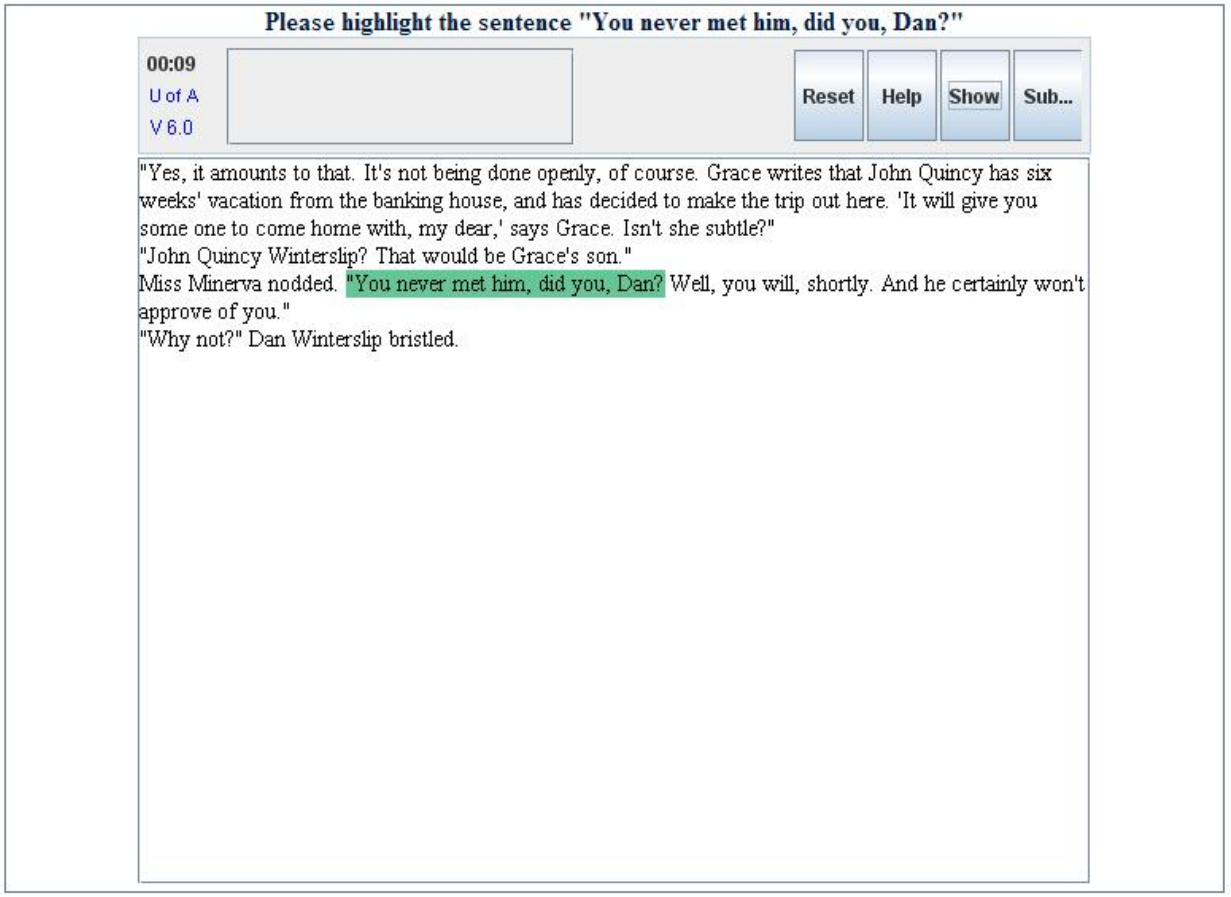
Example 1

This item type tests the student's ability to find words, sentences or even paragraphs in passage by using the mouse to highlight them.

In this particular example, the student is asked to highlight two words "Because" and "away".

English

Example 2

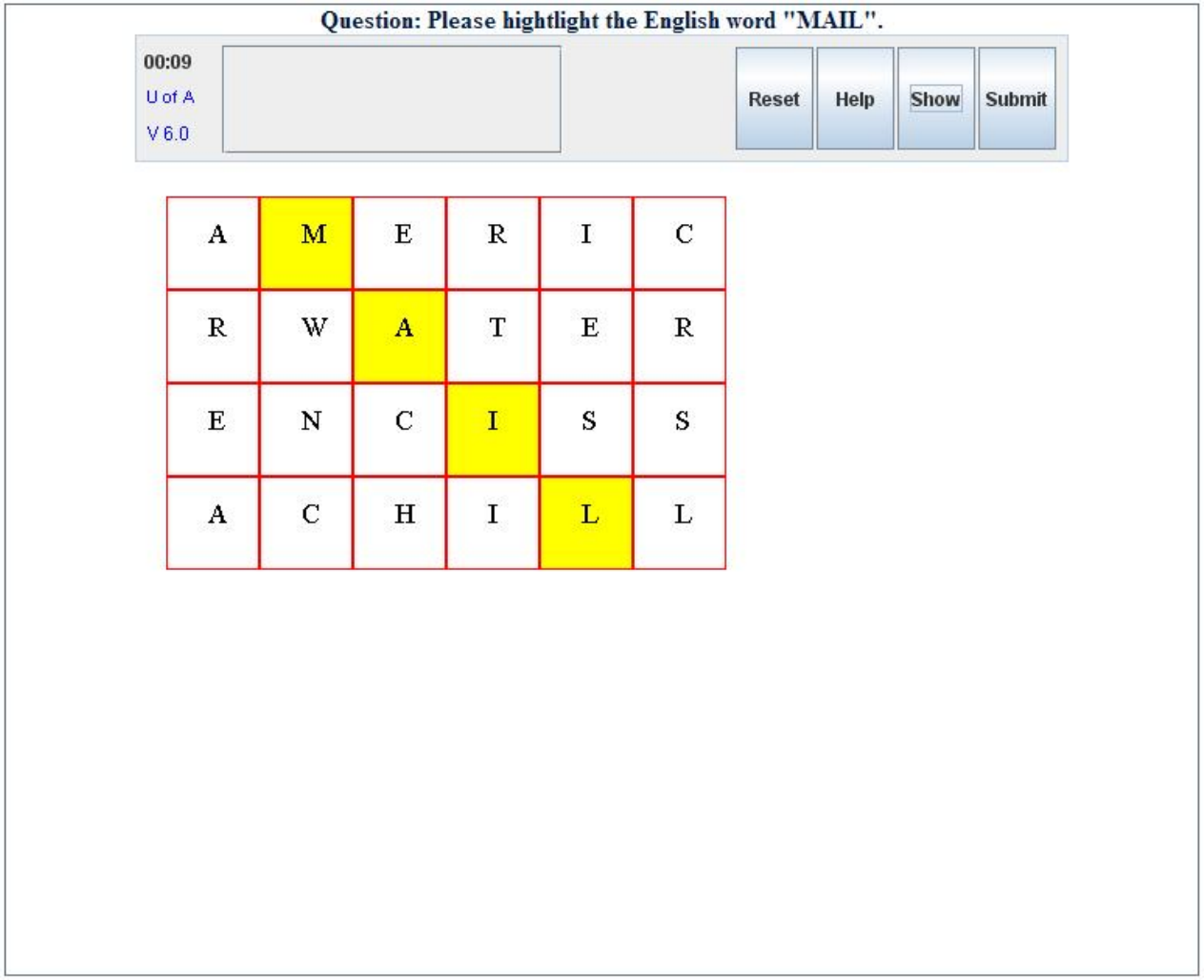


Another English example but this time the student is asked to identify a sentence.

The student has to use the mouse to click the required sentence.

English

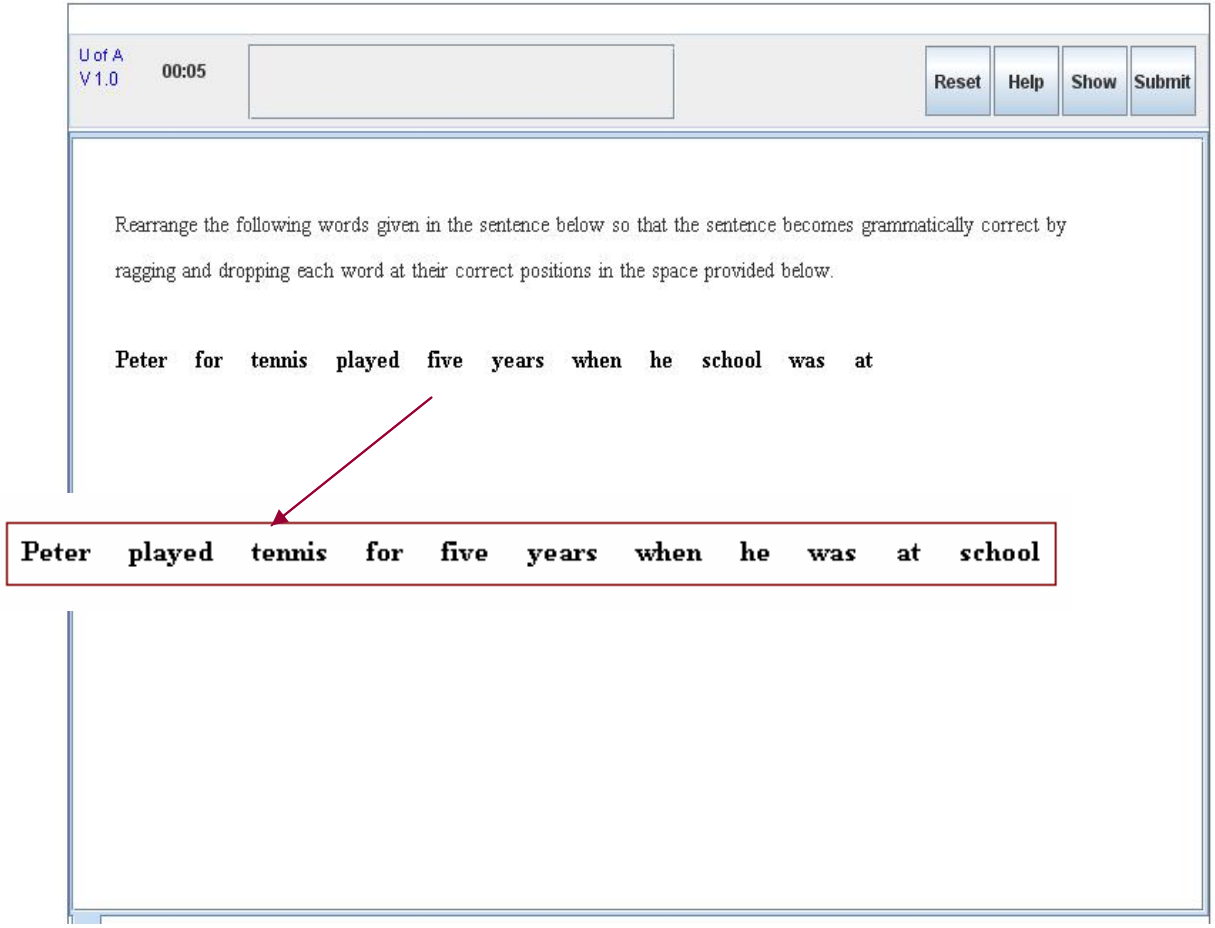
Example 3



This is a cross-word puzzle where the student is asked to identify a word in a cross-word manner. In this example, the student is asked to highlight the English word ”MAIL”.

English

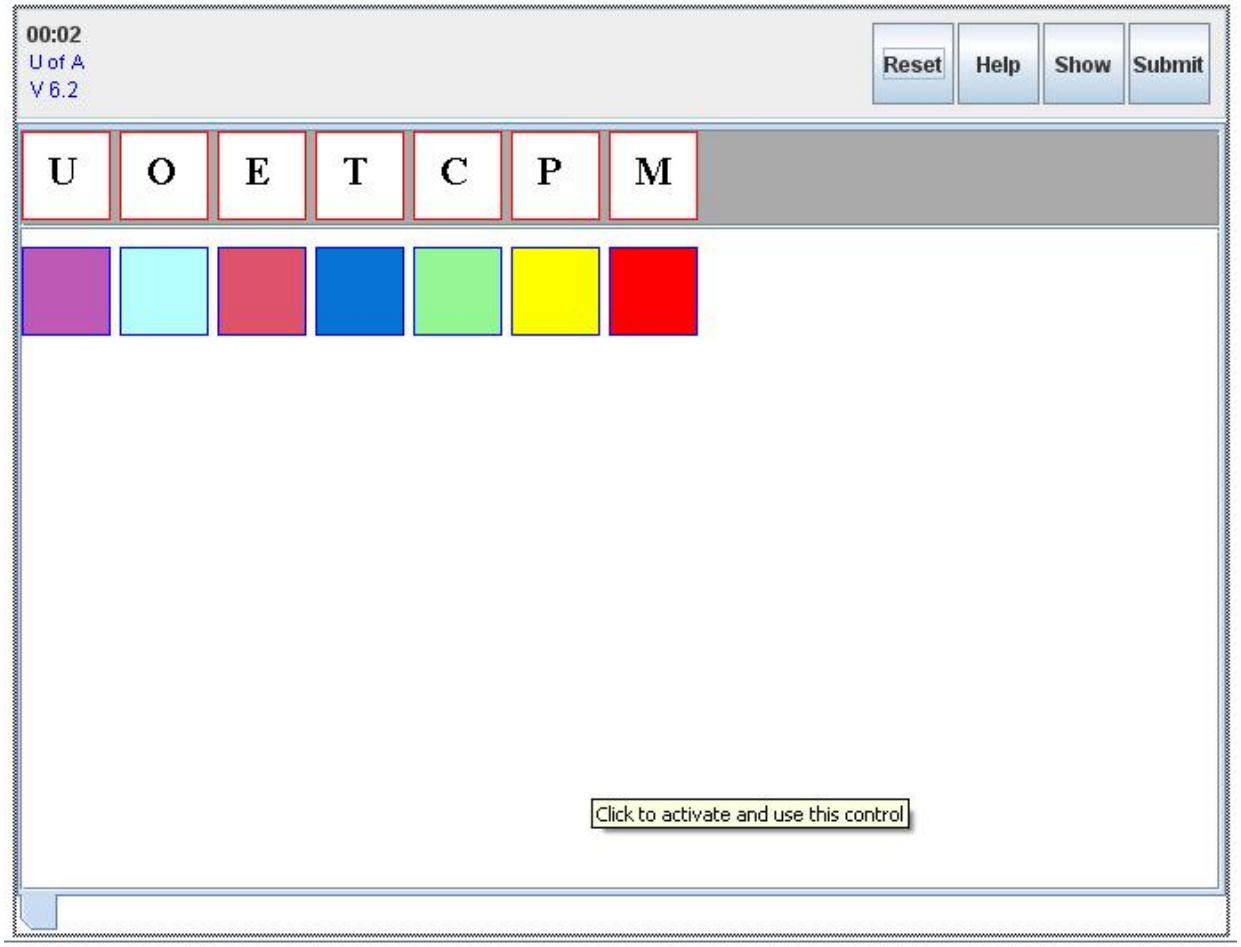
Example 4



This English example asks the student to rearrange English sentences so that they become grammatically correct. The rearrangement is done by dragging and dropping the text given on the screen to their appropriate positions.

English

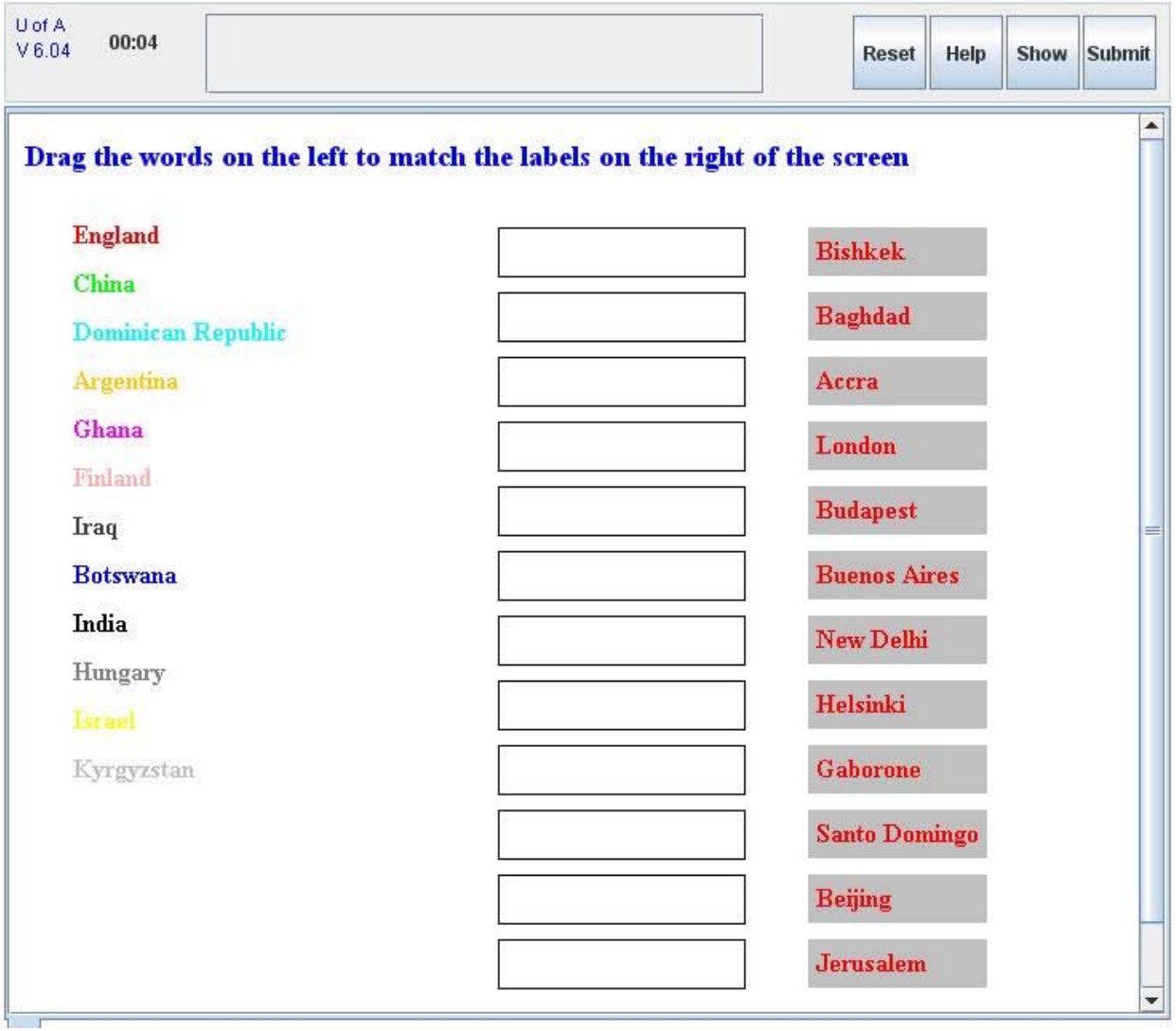
Example 5



This example tests the student's spelling abilities. The student can drag the letters to the colorful boxes so they form a word.

Social

Example 1

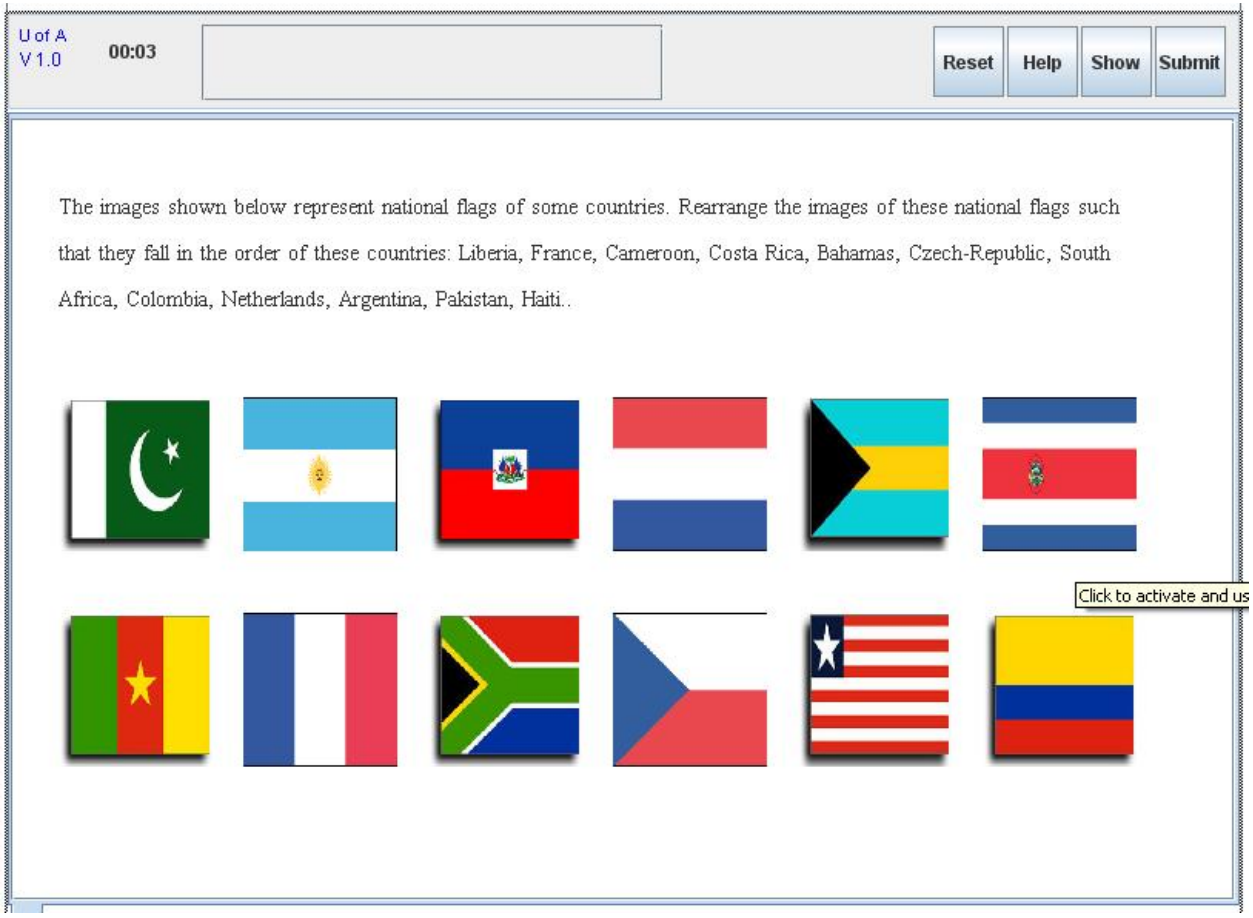


This is a social example which tests the student's ability on countries and their capital cities.

The student has to use the mouse to drag the country name from the left side to the corresponding box in the middle to match the corresponding city.

Social

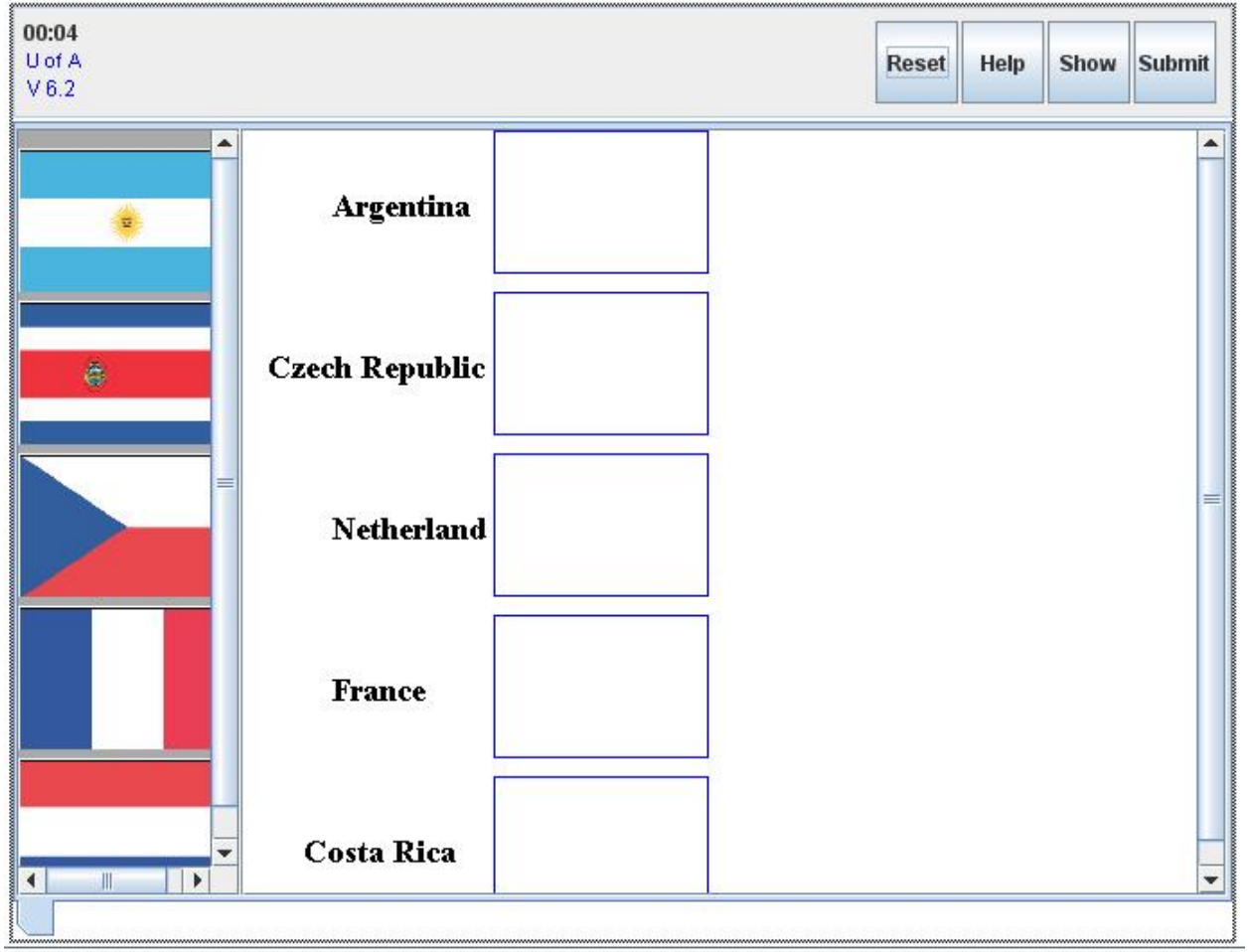
Example 2



Another social example. This example asks the student to rearrange the images of these national flags such that they fall in the certain order by dragging and drop the images using the left mouse.

Social

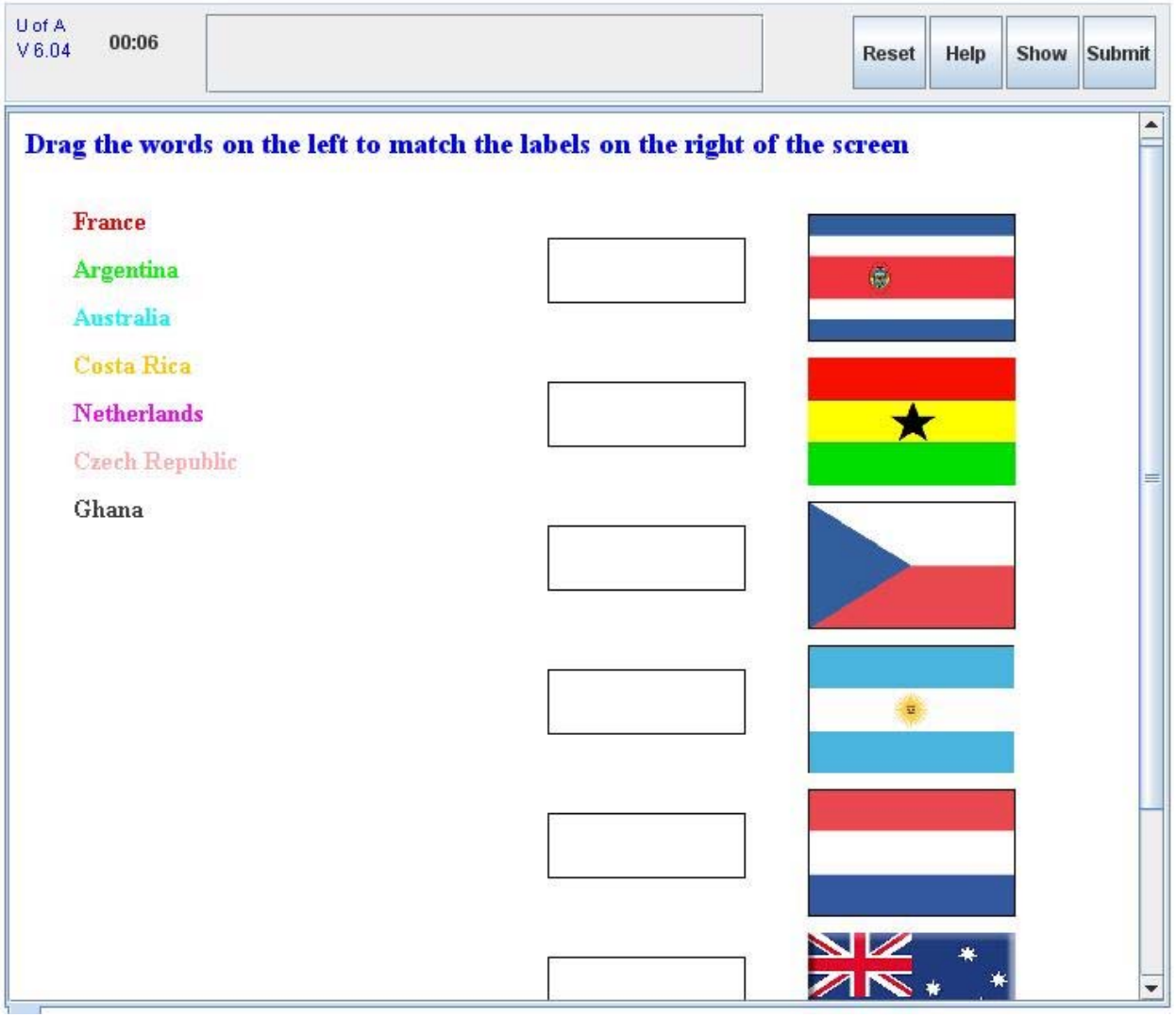
Example 3



This example is testing the same knowledge as the previous example, but this time the student is presented with a different arrangement on the screen

Social

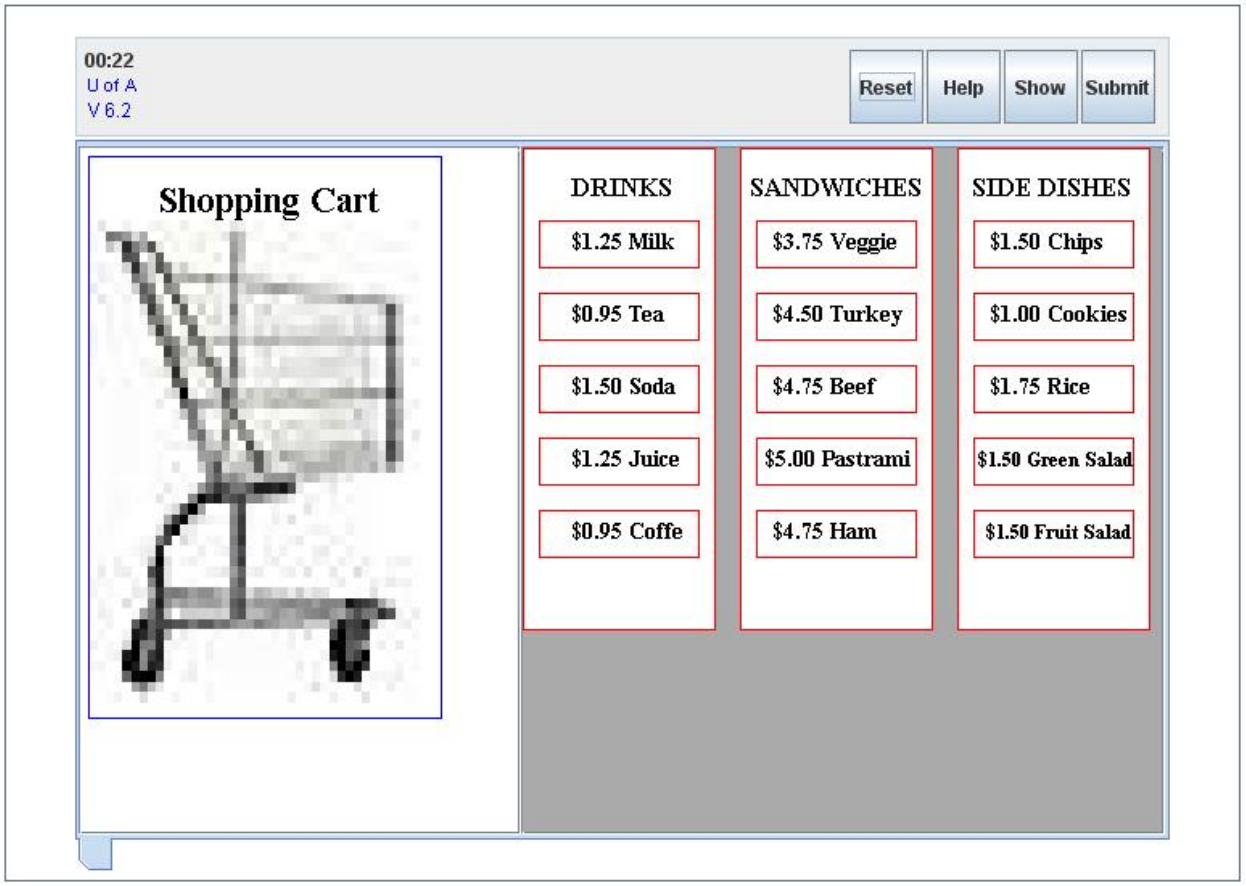
Example 4



Another item type to test the same social knowledge.

Social

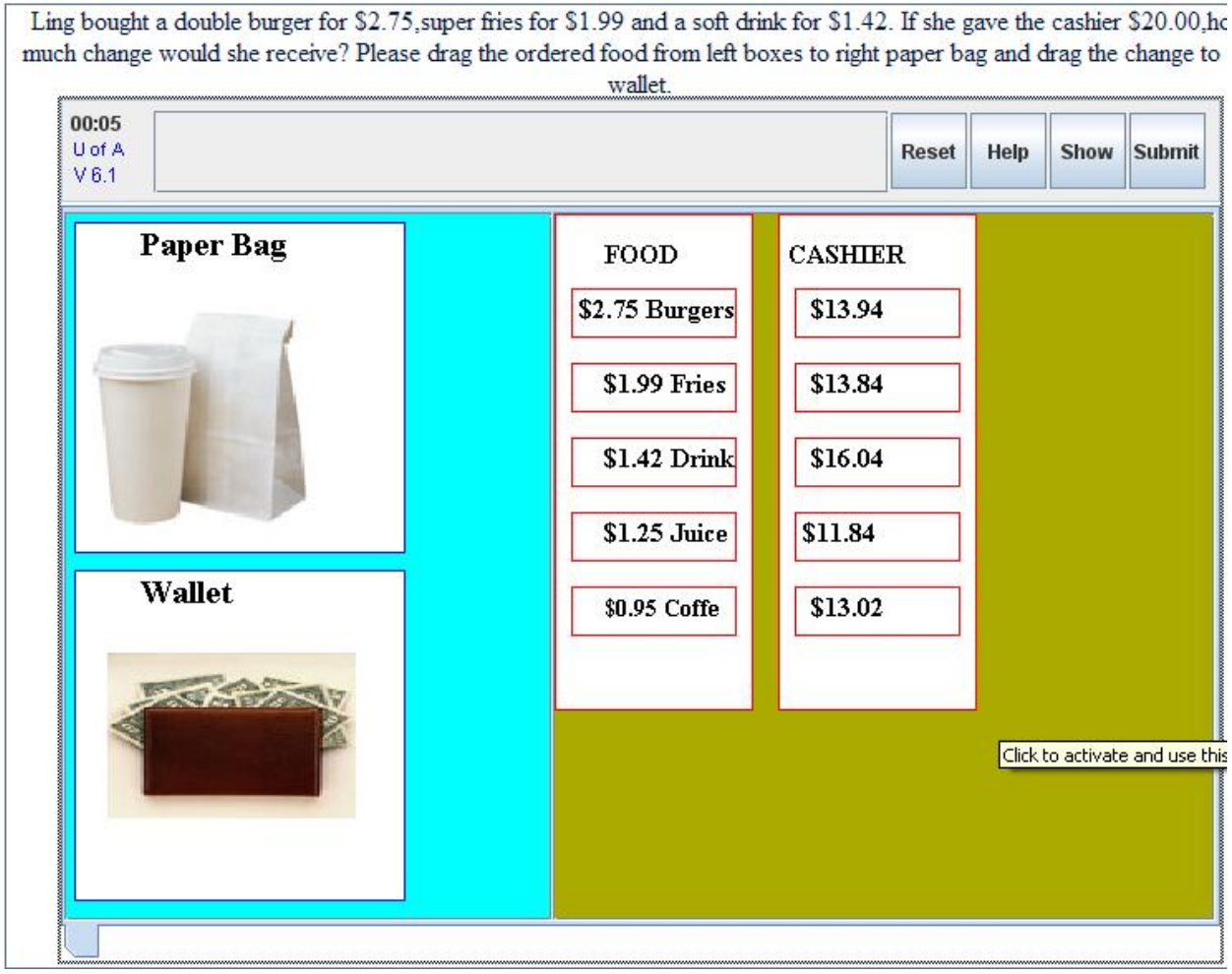
Example 5



A social example which tests the student's knowledge on currency. This example is asking the student to drag 3 food items to the shopping cart on the left side with the total charge being equal to a certain mount.

Social

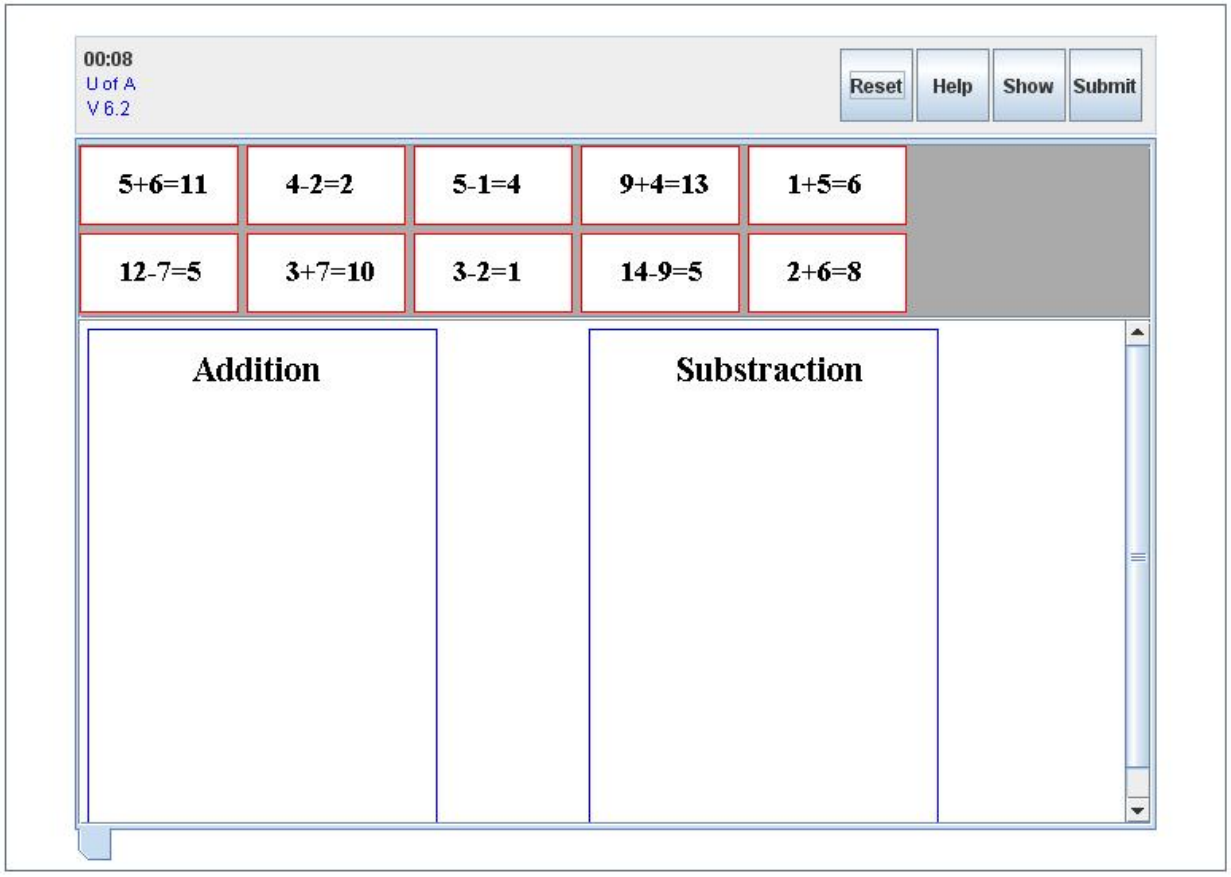
Example 6



This example is testing the same knowledge as the previous example, but this time the student has to drag the food and a mount of money to the correct boxes on the left.

mathematics

Example 1

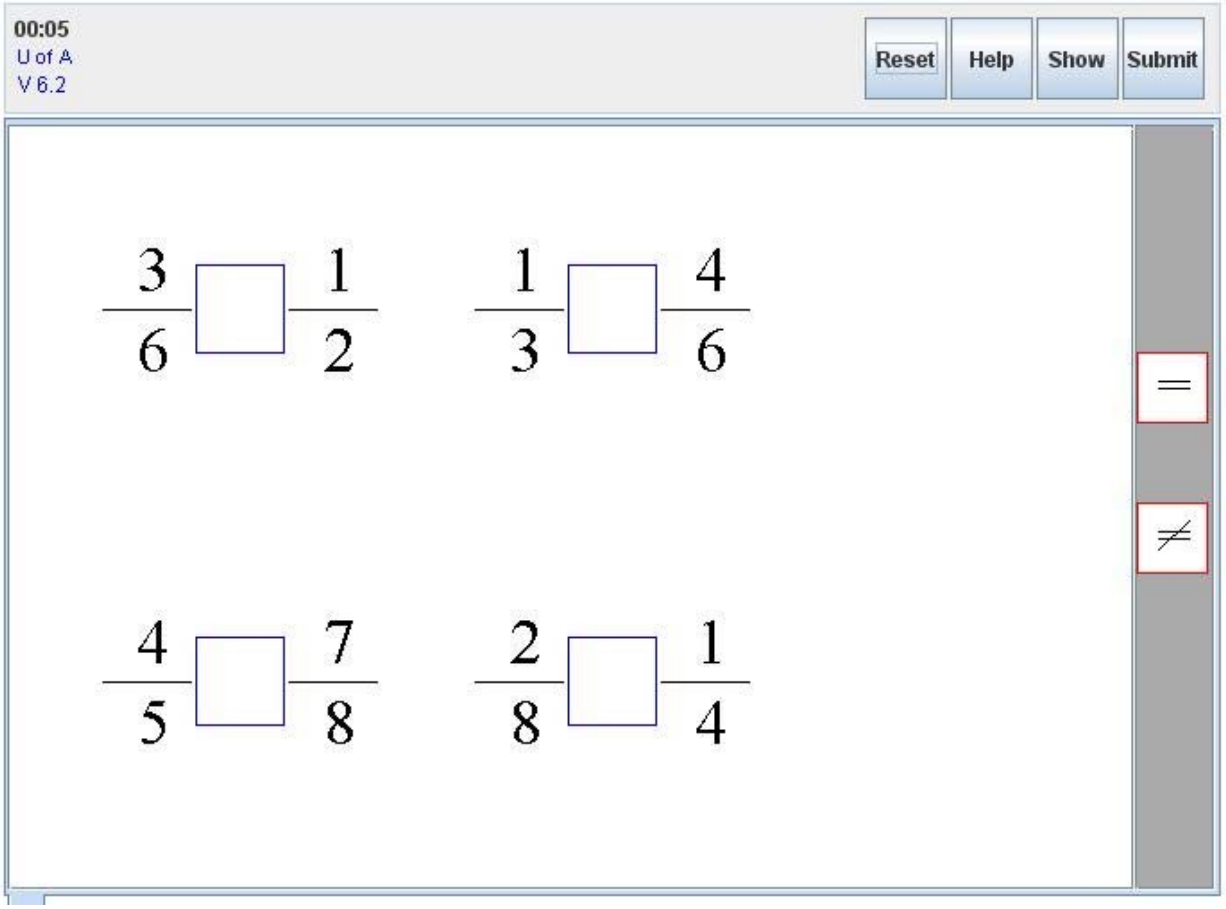


This mathematics example is designed to test the student's ability to recognize arithmetic operations.

In this example the student has to drag the various equations to the right arithmetic operation box

mathematics

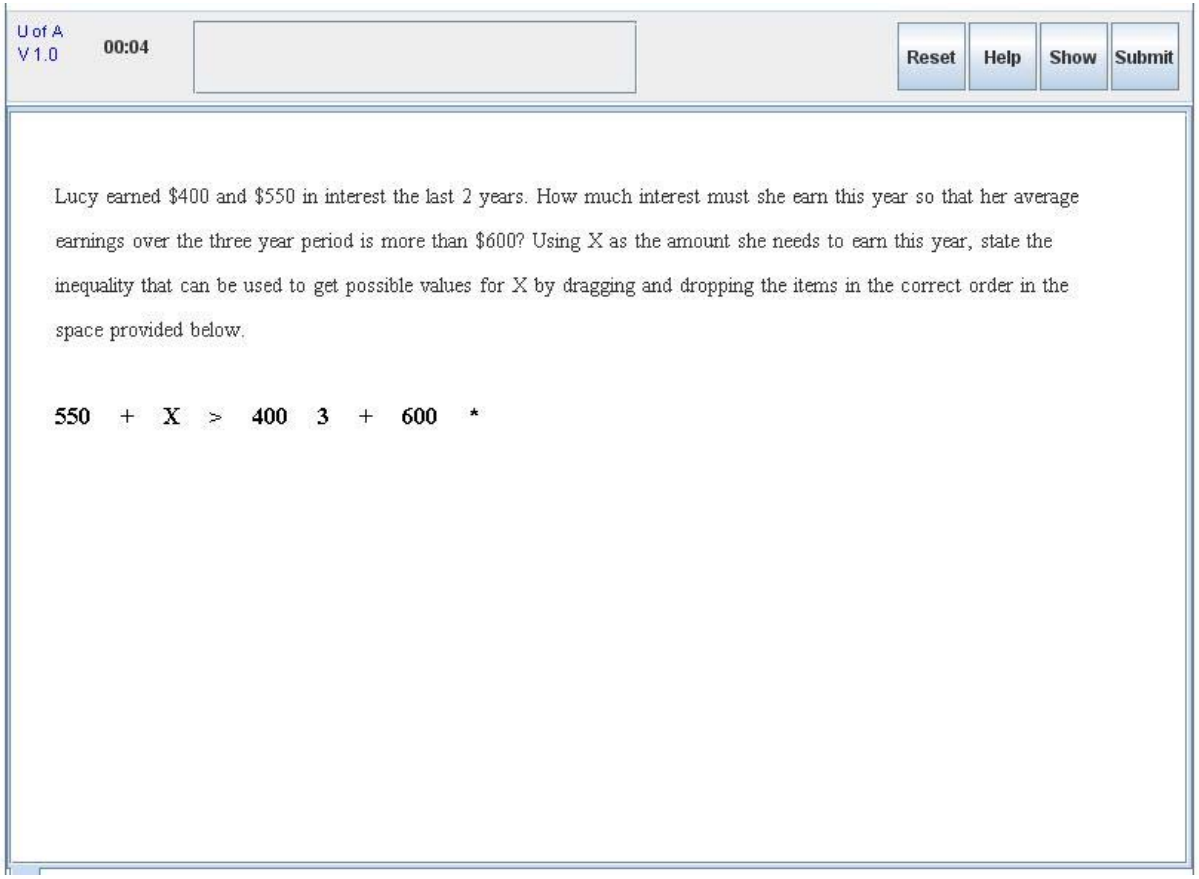
Example 2



This math example can test how well the student understands of fraction.

mathematics

Example 3



Another math example.

Simply use the mouse to rearrange the numbers and the operation signs to make a right inequality based on the question asked.

mathematics

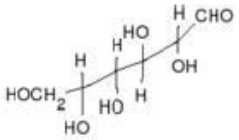
Example 4

02:03
U of A
V 6.0

Reset | Help | Show | Submit

*Use the following information to answer the next **five** questions.*

Distance can be measured in different units. For example, the widths of galaxies are measured in astronomical units (AUs) or light years. One AU is equal to 1.5×10^{8} km and one light year is equal to 9.5×10^{12} km. In contrast, the diameters of atom are measured in nanometers (nm). One nm is equal to 1×10^{-9} m



Click to listen to the question.

Expressed in scientific notation, a light year is a $\times 10^{b}$ times farther than an AU.
What is the value of a? (correct to one decimal place)

Answer:

Question 1 of 5 | Question 2 of 5 | Question 3 of 5 | Question 4 of 5 | Question 5 of 5

In this example, the student has to type the correct answer in the answer box.

mathematics

Example 5

00:03
U of A
V 6.0

Reset | Help | Show | Submit

Use the following information to answer the next question.

The five islands below are given with their geographical areas in million square kilometres.

Borneo: 0.73
Madagascar: 0.59
Honshu: 0.23
Sumatra: 0.43
Baffin: 0.51

Click to listen to the question.

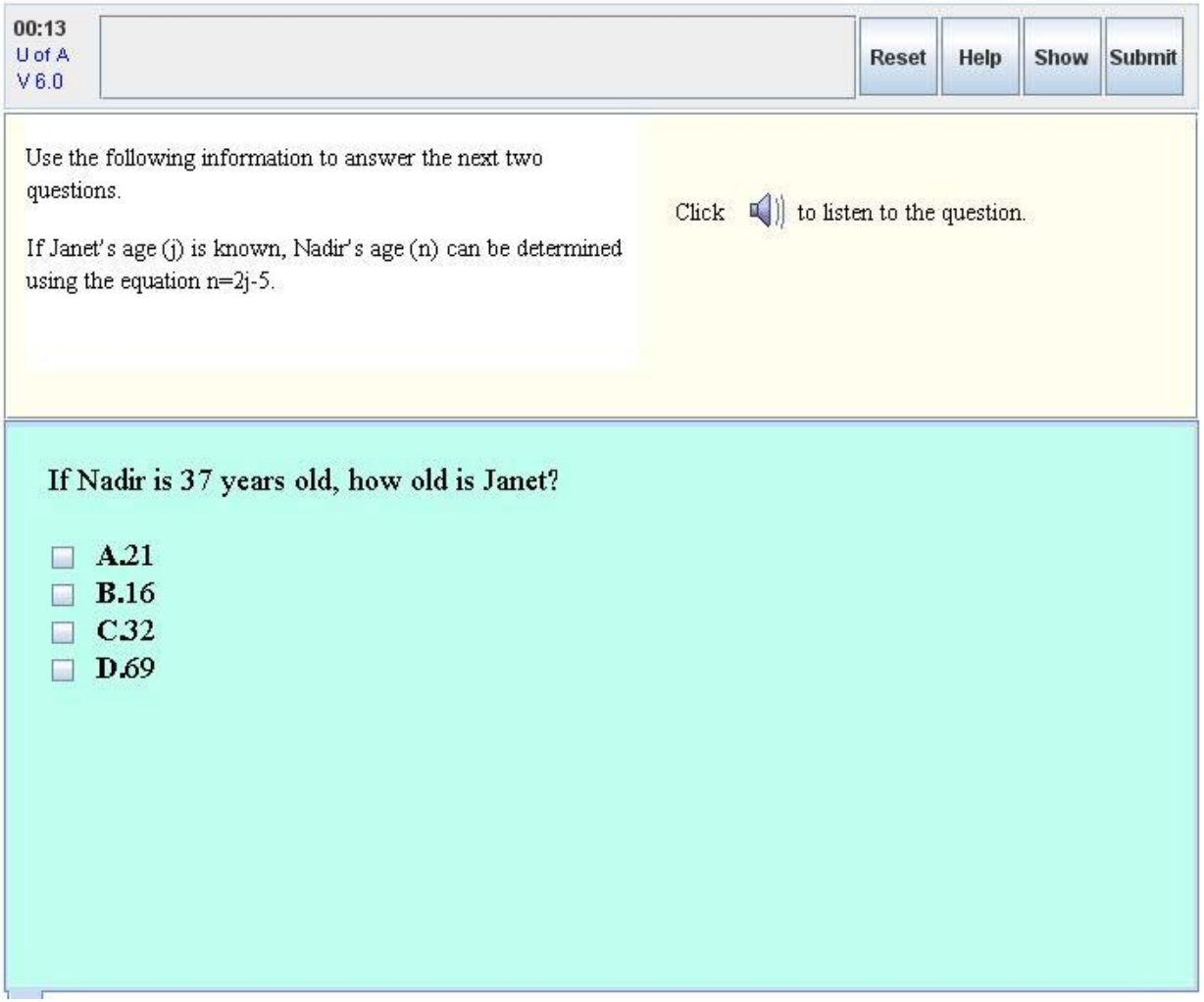
The area of the second largest island is _____ million aquare kilometres.

Answer:

Similar to the previous example.

mathematics

Example 6



This is a multiple choice math example.

There is a audio file so the student can also choose to listen to the question.

mathematics

Example 7

A multiple choice math example contains audio file.

mathematics

Example 8

00:05
U of A
V 6.0

Reset | Help | Show | Submit

It is common in construction to allow 4 m of vertical space for each story of a building. If the first floor of the building starts at 1 m above street level, how many metres above street level does the15th floor start?

Click to listen to the question.

- A. 57 m
- B. 60 m
- C. 56 m
- D. 61 m

More math example.