



TRANSFORMINGEXAMS.COM

A Scalable Examination Platform for BYOD Invigilated Assessment

Moodle Quiz: Towards post-paper

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Updated April 2020



Australian Government
Department of Education and Training



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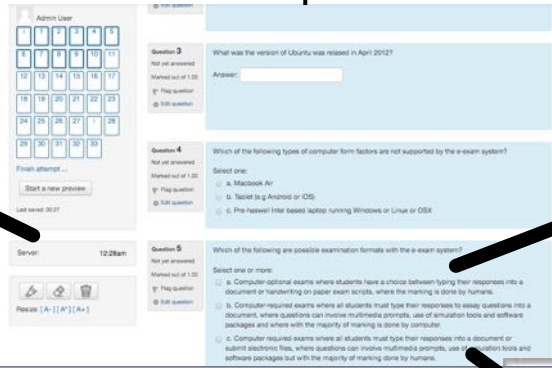
UNSW
AUSTRALIA

University of
South Australia

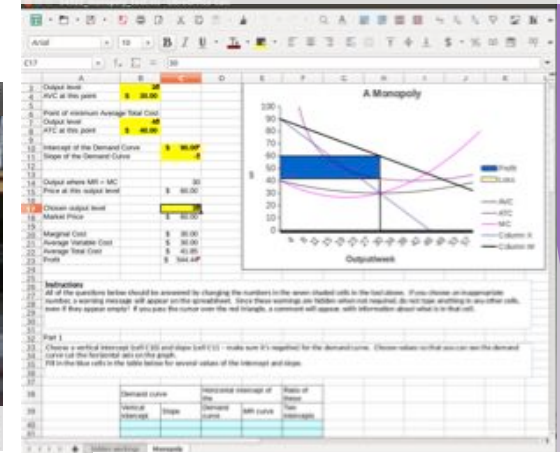
Towards 'post-paper' e-Exams using Moodle Quiz

Start simple and build up!

Start! Moodle quiz



Video



Scratch SDK



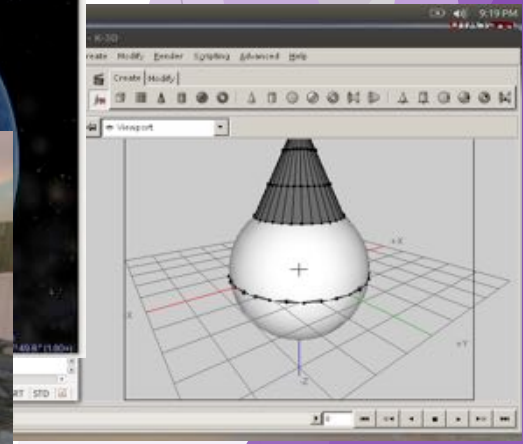
PDF

Sims



Spreadsheets for calculation and analysis.

Specialist applications



Drag and drop questions.

Labels or markers onto an image:

Question 7
Not yet answered
Marked out of 1.00
Flag question
Edit question


Drag-and-drop operating system names to corresponding logo images.



GNU/Linux Mac freeBSD Android iOS MS Windows

Question 8
Not yet answered
Marked out of 1.00
Flag question
Edit question

Drag-and-drop below markers to corresponding celestial objects.



Sun Pluto Mercury Neptune Uranus Mars Venus
Saturn Earth Jupiter

Labels onto text:

Question 9
Not yet answered
Marked out of 1.00
Flag question
Edit question

We are what do. Excellence, then, is not an , but a .

Aristotle

Drag-and-drop words to correct the above sentence:

habit repeatedly act

Multi-part or Cloze questions

Multi-part question
is possible.

Question 11

Not yet answered

Marked out of 7.00

Flag question

Edit question

Free-text or numeric with multiple possible answers.

Selected response by radio button or drop-down list.

Each sub-question or response field can carry a different weight in terms of the question mark.

For those that can't find the one-time boot key, you can make change to your computer which affect the normal operation of the computer. To do this you need to edit the settings in the so that the USB is positioned at number in the boot priority menu. You will need to press a model specific key to call up the settings area during the early stages of computer start up. The specific instructions for your computer will normally appear briefly after the computer is powered on, so watch carefully or check your computer manufacturer's help information for the correct key to press.

If the changes are successfully made then the computer will

- 1. shut down
- 2. go blank
- 3. boot to the e-Exam system
- 4. boot the USB

if the USB stick is correctly inserted prior to

- a. shut down
- b. turning the power on
- c. when restarting

Once loaded, the computer marked question type vesion of the e-Exam system will launch into an onboard LMS called .

Calculated with random variables

Each student and attempt results the display of different variables in the question.

Question 14
Not yet answered
Marked out of 1.00
Flag question
Edit question

Calculate the Sin of 8.5 + the cos of 2 x 1.3.

Answer:

Next student or attempt

Question 14
Not yet answered
Marked out of 1.00
Flag question
Edit question

Calculate the Sin of 7.1 + the cos of 2 x 1.8.

Answer:

Same formula used to calculate each answer based on variables a and b within defined ranges.

$$\sin(\{a\}) + \cos(\{b\} * 2)$$

Answer 1 formula =

Grade

Tolerance ±

Type

Answer display

Format

Media in question stem

Image, video, audio.

Question 15

Not yet answered

Marked out of 1.00

Flag question

Edit question

How many USB ports are on this side of the laptop?



Answer:

Question 18

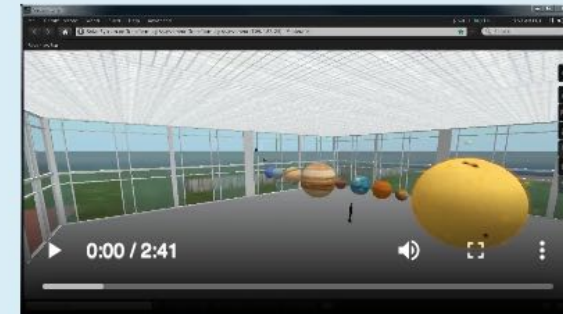
Not yet answered

Marked out of 1.00

Flag question

Edit question

Can you play the video and hear the sound?



Select one:

- a. I can play the video and hear the sound.
- b. I get nothing
- c. I can play it, but can not hear any sound.

Question 17

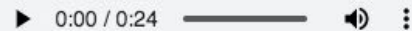
Not yet answered

Marked out of 1.00

Flag question

Edit question

Listen to the audio and choose the appropriate response - what did you hear?



Select one:

- a. The sound of a bird.
- b. The audio didnt work for me.
- c. The sound of an elephant.

Get students to use earphones!

Audio prompt

Monash University 2018.
Chinese language – two units
(1st year and 3rd Year).
Listening test.

Moodle quiz cloze question
with embedded audio.

Students used headsets to
listen.

Responses via cloze fields.



This screenshot shows a Moodle quiz question with three audio prompts. Each prompt consists of a play button, a progress bar, a timer (0:00 / 0:06, 0:00 / 0:07, and 0:00 / 0:07), a speaker icon, and a volume slider. The questions are:

- 27. k ch
- 28. j q



This screenshot shows the Moodle quiz question interface for "Question 5". It includes the following information:

- Question 5**
- Not yet answered
- Marked out of 24.00
- Flag question
- Edit question



This screenshot shows a Moodle quiz question titled "Section 3" with the instruction "Indicate the tones you hear. Please enter a number for the tone you hear in the app". It features four audio prompts, each with a play button, progress bar, timer (0:00 / 0:06, 0:00 / 0:06, 0:00 / 0:06, and 0:00 / 0:06), speaker icon, and volume slider. The questions are:

- 1. chuang lian
- 2. cao chang
- 3. fang xiang
- 4. guo jia

External software with quiz

Constructed response – Scratch

Student response file uploaded.

Question 27

Not yet answered

Marked out of 1.00

Flag question

Edit question

Scratch will be required for this question.

To open this application, click on the circular icon on the top left of the screen, and then type 'scratch' into the search box that appears.

Using the default Scratch program, make the Cat sprite run in circles and 'meow' when it touches the sides.

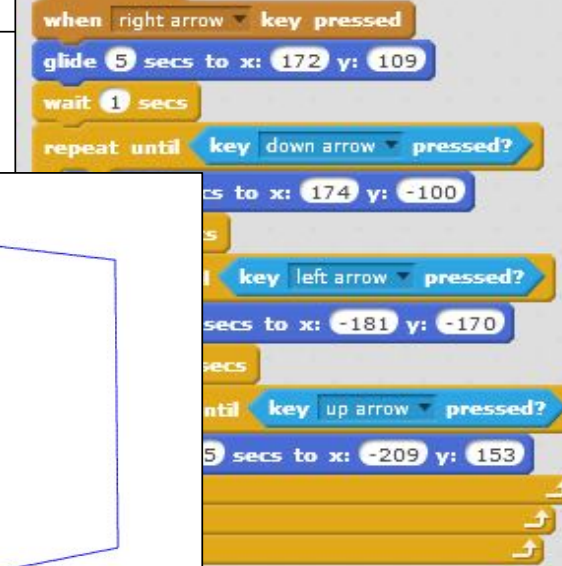
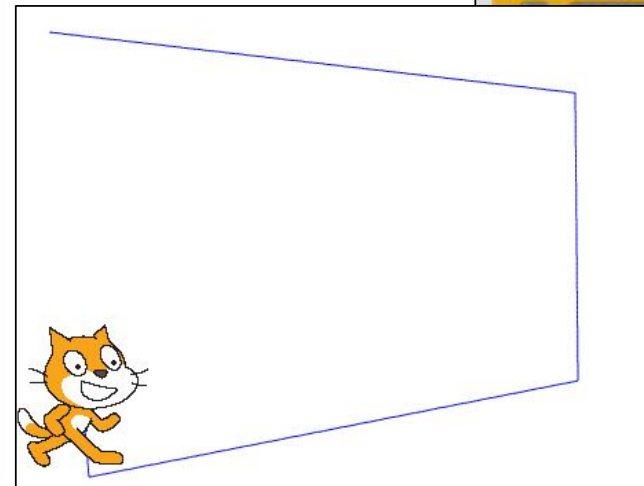
When done, save the file to the answers drive using your name as the file name.

1. Provide a one or two sentence summary of the commands you used in your response in the text box below.
2. Then attach your scratch program file to this question.

Paragraph **B** *I* [List] [List] [Link] [Image] [Video]

Path: p

Maximum size for new files: Unlimited



External software with quiz

Mathematics example. Use third party software to answer questions. In the case of installed applications users will need to have and locate the software.

Question 30
Not yet answered
Marked out of 1.00
Flag question
Edit question

Scilab will be required for the following question.
To open this application, click on the circular icon on the top left of the screen, and then type 'Scilab' into the search box that appears.
Enter the following program into scilab:

```
function f = myquadratic2arg ( x1 , x2 )  
f = x1**2 + x2**2;  
endfunction  
xdata = linspace ( -1 , 1 , 100 );  
ydata = linspace ( -1 , 1 , 100 );  
contour ( xdata , ydata , myquadratic2arg , 10)
```

How do you interpret the output?
Please put your response inside the box below.

Paragraph B I [List Icons] [Link Icon] [Image Icon]

Path: p

Provide instructions to access the software.

Provide space for responses – these can potentially be copy-pasted from the software.

The screenshot displays the Scilab 5.5.2 environment. On the left is a File Browser showing the directory structure of the user's home folder. The central Command History window shows the execution of the following code:

```
Startup execution:  
loading initial environment  
-->function f = myquadratic2arg ( x1 , x2 )  
-->f = x1**2 + x2**2;  
-->endfunction  
-->xdata = linspace ( -1 , 1 , 100 );  
-->ydata = linspace ( -1 , 1 , 100 );  
-->contour  
-->
```

On the right, the Variable Browser shows the variables `ydata` and `xdata` as 1x100 double arrays. In the foreground, a 'Graphic window number 0' displays a contour plot of the function $f(x, y) = x^2 + y^2$. The plot shows concentric circular contour lines in various colors, with numerical labels such as 0.182, 0.364, 0.545, 0.727, 1.0, 1.27, and 1.45 indicating the function values at different levels.

Programming e-Exam

Edith Cowan University. Teaching Python Programming exam.

Word document + Python IDLE

Q1: [Sequence, user input, output] 5 points

A painter requires a program to calculate the number of litres of paint needed for a job. One litre of paint will cover 16 square metres. The program should accept the number of square metres to paint and then output the number of litres of paint required to the user.

Write a commented Python program for this task.
Open **IDLE Python** environment.
Remember to save all files to `mnt/answers/`

Q2 [looping] 5 points

A program is required that receives input of five surnames one by one and then prints out the surnames sorted alphabetically.

- Draw a flowchart to represent the algorithm for your program [3 points]
 - You can use the drawing tools within this word processor. Make some extra space here, draw the diagram and save this file (it will be submitted on the USB stick). **or**
 - Use a separate piece of paper labelled with your student ID to draw the diagram.
- Write a Python program for this problem [2 points]

Q3 [write a text file] 5 points

A program is needed to store a list of tools and their hire rate in dollars per day. Write a Python program to accept data from the user and store it in a text file.

Possible Data:
Air compressor: \$45 per day
Tile cutter: \$25 per day
Brick Saw: \$110 per day
Nail gun \$40 per day

Q4 [read a text file, use a function] 5 points

- Add to your program in Q3 so that it can retrieve the name of the tools and the cost per day from the text file [3 points].
- Display the data read from the file on the screen: make `'displayData'` a function in your program [2 points].

Q5 [Everything] 10 points

Create a *robust, modular, user-friendly, & commented* Python program to simulate an automatic teller machine. The program should:

- Set up the accounts for 3 people and store their four-digit pin number and their initial balance in a text file. [3 points]
- Allow a user to login using their pin [1 point]
- Allow a user to see the balance of their account [2 points]
- Allow a user to deposit and withdraw money [4 points]

End of Exam



```
1  ##...//Assessment 1.2: In-Class Test~
2  ##...Question #3 & 4~
3  ##...Author: #####~
4  ~
5  ##...//Create text file to store tools and hire rate~
6  ~
7  def displayData():~
8  ...print(a.read())~
9  ~
10 a = open("tools_sheet.txt", "w")~
11 ~
12 ##...//Receive user input of tools and hire rate~
13 tool1 = input("Please enter the first tool tool needed:")~
14 price1 = input("Please enter the hire rate:")~
15 print(tool1, ":", price1, file=a)~
16 ~
17 tool2 = input("Please enter the second tool tool needed:")~
18 price2 = input("Please enter the hire rate:")~
19 print(tool2, ":", price2, file=a)~
20 ~
21 tool3 = input("Please enter the third tool tool needed:")~
22 price3 = input("Please enter the hire rate:")~
23 print(tool3, ":", price3, file=a)~
24 ~
25 tool4 = input("Please enter the fourth tool tool needed:")~
26 price4 = input("Please enter the hire rate:")~
27 print(tool4, ":", price4, file=a)~
28 ~
29 a.close()~
30 ~
31 ~
32 ##...//Start of Question #4~
33 ~
34 ##...//Retrieve data from Question #3~
35 a = open("tools_sheet.txt", "r")~
36 print("displaying contents of text file")~
37 displayData()~
38 a.close()~
39 ~
40 ##...//Display data from text file (in IDLE Shell enter 'displayData()')~
41 ~
```

CSS and script tricks

Eliminate options.

Question 23
Answer changed
Marked out of 1.00
Flag question
Edit question

Chose the best option from below

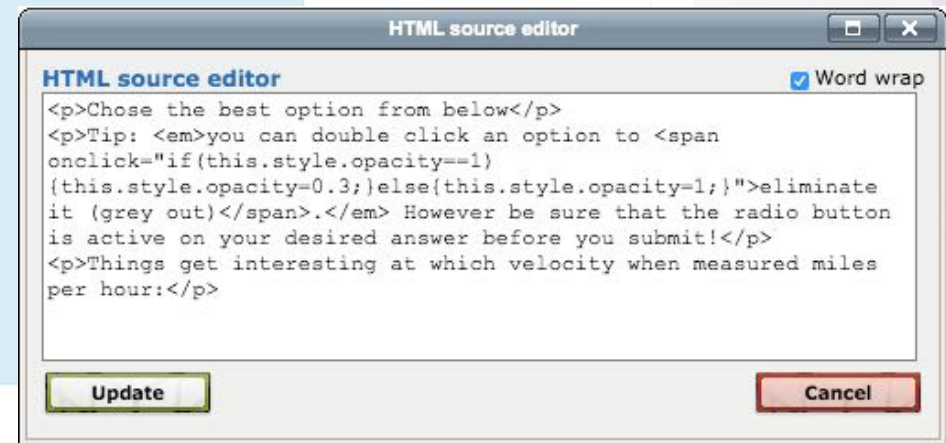
Tip: *you can double click an option to eliminate it (grey out).* However be sure that the radio button is active on your desired answer before you submit!

Things get interesting at which velocity when measured miles per hour:

Select one:

- a. Eighty eight
- b. Seven hundred and sixty seven
- c. Sixty nine
- d. Forty two
- e. Thirteen

Script in the question stem to enable the user to double click to grey out options.



```
HTML source editor
HTML source editor Word wrap
<p>Chose the best option from below</p>
<p>Tip: <em>you can double click an option to <span
onclick="if(this.style.opacity==1)
{this.style.opacity=0.3;}else{this.style.opacity=1;}">eliminate
it (grey out)</span>.</em> However be sure that the radio button
is active on your desired answer before you submit!</p>
<p>Things get interesting at which velocity when measured miles
per hour:</p>
Update Cancel
```

Each distractor also needs the script.



```
HTML source editor
HTML source editor Word wrap
<p><span onclick="if(this.style.opacity==1)
{this.style.opacity=0.3;}else{this.style.opacity=1;}">Sixty nine</span></p>
Update Cancel
```

Translation task with offline dictionary

Essay question. DIV and inline CSS used to create scroll box for source text.

Advanced students: please translate any **two** of the following Chinese passages into English.
You will be marked against criteria specific to your proficiency level.

You may use Dim Sum Chinese tools for this question. To open the software from the e-Exam System - use the circular 'Dash' button at the top left of the screen. The type "dimsum" into the search box.

Below are three separate Chinese source text passages - please scroll to read them.

Passage 1

Be sure to look at the notes associated with the **bolded red** vocabulary items, as these words cannot be found in DimSum.

我再跟大家介绍一下人口结构。2015年,按照国际口径 15-64岁的中国劳动年龄人口占总人口的73%,数量是10.03亿,到2020年还有9.85亿,到2030年还有9.52亿,到了2050年还有8亿多。现在,美国劳动年龄人口占总人口的比重是66%,欧洲是67%,日本是61%。此外,欧美发达国家劳动年龄人口总数只有7.3亿,但是它的**产出**劳动生产率比我们高得多。所以说,中国不光是现在不缺劳动力的数量,以后科技水平发展了,还有很多替代的措施和办法,劳动力的数量就更不是问题

Notes:
口径 kǒujīng = 标准
“产出”是指生产过程中创造的各种有用的物品

Type your translation(s) below. Please indicate the passage number(s) for your selected passage(s).

Rich text editor toolbar with icons for bold, italic, list, link, unlink, and image.

DimSum Chinese Tools

File Edit Tools Format Programs Help

Web Address Go Settings

Chinese Annotator Dictionary Flashcards

我再跟大家介绍一下人口结构。2015年,按照国际口径 15-64岁的中国劳动年龄人口占总人口的73%,数量是10.03亿,到2020年还有9.85亿,到2030年还有9.52亿,到了2050年还有8亿多。现在,美国劳动年龄人口占总人口的比重是66%,欧洲是67%,日本是61%。此外,欧美发达国家劳动年龄人口总数只有7.3亿,但是它的**产出**劳动生产率比我们高得多。所以说,中国不光是现在不缺劳动力的数量,以后科技水平发展了,还有很多替代的措施和办法,劳动力的数量就更不是问题

还有

但是它的产出劳动生产率比我们高得多。以后科技水平发展了,劳动力的数量就更不是问题

This is an offline dictionary tool 'Dim Sum'.

Linked interactive apps

Question 1

Not complete

Marked out of 1

Flag question

Edit question

1. Student clicks a link embedded in the quiz to launch a separate app.
2. Undertakes a task as instructed.
3. Then responds using selected response or numerical input to suit.

Open the [trading forecast applet](#) to assist in matching the following statements. Click on 'Cash flow' to enter sales data as shown in the following diagram.

Income	Startup	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual Tot.
Sales	0.0	100.0	100.0	100.0	100.0	400.0
Owner's capital	500.0	0.0	0.0	0.0	0.0	1000.0
Other	0.0	0.0	0.0	0.0	0.0	0.0
Monthly Totals	1000.0	100.0	100.0	100.0	100.0	1400.0

Expenditure	Startup	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual Tot.
Materials	500.0	50.0	50.0	50.0	50.0	700.0
Proprietor Drawing	0.0	20.0	20.0	20.0	20.0	80.0
Overheads	0.0	10.0	10.0	10.0	10.0	40.0
Miscellaneous	100.0	10.0	10.0	10.0	10.0	130.0
Monthly Totals	600.0	90.0	90.0	90.0	80.0	950.0

Cash Flow	Startup	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual Tot.
Cash movement	400.0	10.0	10.0	10.0	20.0	450.0
Opening Balance	0.0	400.0	410.0	420.0	430.0	0.0
Closing Balance	400.0	410.0	420.0	430.0	450.0	450.0

test

test

test

Check

Spreadsheet in quiz

Question **2**

Not complete

Marked out of 1

Flag question

Edit question

Use the [elasticity spreadsheet](#) to assist in matching the following statements.

For an elastic demand, as the price increases

For an elastic demand, as the elasticity increases

For an inelastic demand, as the elasticity increases

Check

The spreadsheet interface shows the following data and controls:

Price elasticity of demand graph:

- Y-axis: Price/ton (£0.00 to £250.00)
- X-axis: Tons/week (0 to 200)
- Point marked: Price = £100, Quantity = 100

Adjust Price and Adjust demand controls:

- Buttons: Adjust Price, Adjust demand, Reset, Reset

Summary Table:

Price change	Quantity change	Elasticity	Revenue Price x Qty
5.00	5.00	1.00	£10,000.00

Definition:

Elasticity = $\frac{\text{Quantity change} / \text{quantity}}{\text{Price change} / \text{Price}}$

Demand line data:

Parameter	Value	Qty	Price
gradient =	-1	10	190
Axis intercept =	200	190	10
Mid price =	100		

Cursor positions:

Cursor	Qty	Price
Cursor horiz 1	0	100
	100	100
Cursor horiz 2	0	95
	105	95
Cursor vert 1	100	100
	100	0
Cursor vert 2	105	95
	105	0

Dataset for statistical analysis

1. Download CSV. 2. Open in Octave.
3. Conduct analysis. 4. respond in Moodle.

Question 32

Not yet answered

Marked out of 1.00

Flag question

Edit question

Download the `boys.csv` file and open it with GNU Octave.

It contains data like this:

Age (Years)	Weight (kg)	Height (cm)
2	12.5	85.5
3	13.2	93.2

Find the correlation between height and weight.

Provide the answer to 5 decimal places.

Hint:

```
corr(boys(:,2), boys(:,3))
```

Answer:

Conversation Sim (Monash) – lesson / quiz MCQ

Students respond to a series statements via MCQs (maybe, yes, no) with feedback per choice to simulate a conversation e.g. Moodle lesson activity.

Can subterfuge be honourable?

Question 1 of 4

A problem

Two researchers in social medicine have devised a plan to investigate the hidden milieu of online anorexic communities. They are extremely secretive and members on pro-ana sites are suspicious and exclude all forms of research. One of the investigators adopts a pseudonym, uses the language of youth and projects all the neuroses to gain acceptance. How ethical is this methodology?

A response

It sounds ugly but we have to remember that anorexia is a serious condition, akin to suicide, and unless we understand how it is handled, we cannot advance medical science.

Maybe

Yes

No

Feedback

Good answer, Maybe. But this response doesn't answer the ethical question. It's true that we want to understand anorexia; but does that mean that we have to resort to deception. The investigators are conducting themselves in a somewhat fraudulent spirit.

Next

<http://conversationsim.org/>

Nelson, R & Dawson, P (2013) Assessment-as-learning: introducing the Conversation Sim ,TA webinar/e-Assessment Scotland, 21 Aug http://transformingassessment.com/eAS_2013/events_21_aug_2013.php

Short text response – auto marked

Students type in a short sentence response which can be marked by computer based on pattern matching.

Available in Moodle now.

Example question



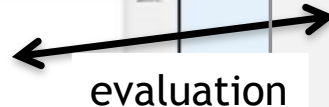
Example settings



A boy climbs slowly to the top of a slide and then slides down it. At which point will his kinetic energy be a maximum?
Note: Your answer should ignore the effects of friction.

*You should give your answer as a **short phrase or sentence.***

Kinetic energy will be at maximum when at the bottom of the slide.



Options For Entering Answers

Case sensitivity: No, case is unimportant
Allow use of subscript: No
Allow use of superscript: No
If answer is more than 20 words: warn that answer is too long and invite responsee to shorten it
Check spelling of student: Yes
Add these words to dictionary:
Convert the following characters to a space: ;:()/

Define Synonyms For Words in Answers

Word	Synonyms
impact	stop land* finish* complet*
just	prior when point instant moment immediat& second
after	once leav* left

Answer: `match_mw (bottom|base|end|flat*|floor|ground|horizont*|level|lowe`

Grade: 100%

Answer: `match_any (match_mw (fast*|quick*) match_mwp4 (great*|max*_velocity|speed) match_mwp4 (velocity|speed_great*|max*))`

Grade: 50%

Confidence questions

Confidence based approaches penalise guessing. Students need to choose a response and declare their level of certainty. Available in Moodle now.

Certainty levels and consequences

Certainty level:	C=1	C=2	C=3	No Reply
Mark if correct:	1	2	3	0
Penalty if wrong (T/F Q)	0	-2	-6	0

Qu. 1:

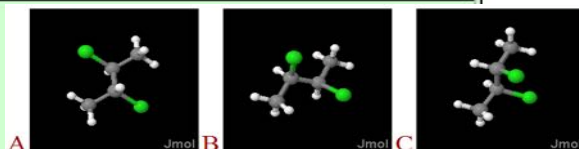
Which structure shown below represents meso 2,3-dichlorobutane, A, B or C?

[Click on the text below to open a window with the three choices]

Three structures, A, B and C

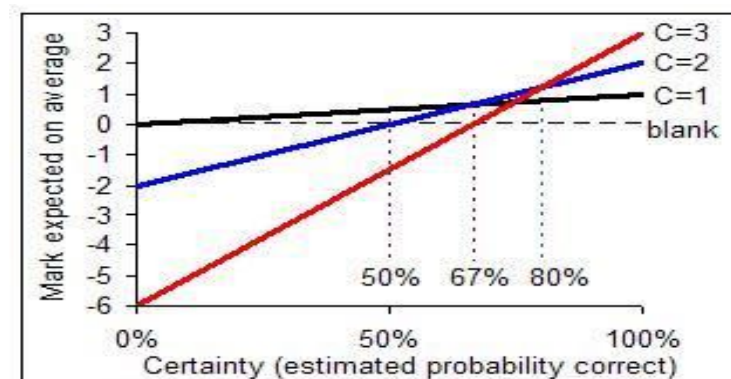
Choose one of the following:

- C
- A
- B



No Reply Certainty: C=1 (low) C=2 (mid) C=3 (high)

Certainty v Mark Expected



University College London

Tony Gardner-Medwin, UCL, TA Webinar 6 April 2011
http://transformingassessment.com/events_6_april_2011.php

Moodle and OpenSim Working Together

Undertaking an assessment activity in the Virtual World initiates data transfers to the LMS.



Set up Quiz in the LMS. Results are stored in the in grade book.



A set of scripts for Moodle and VW that acts as a bridge.



Student undertakes assessment in the virtual world

1 Click on the link for Question 1 on the external web page. Use the emission and absorption spectroscopy tool below to determine the element corresponding to the colour orange-red in the gas discharge tube.

Marks: 1

Choose one answer.

- a. sodium
- b. copper
- c. neon
- d. barium

Data flows as if the student was doing the activity in the LMS

SLOODLE Controller for Chemistry

Status: Enabled

SLOODLE Object Configuration

You can choose to configure some SLOODLE objects with a notecard instead of using the common web-based authorization. It is less secure, as it involves the use of a single prim password for all objects, but it makes it quicker and easier to re-configure objects from your inventory.

Select which object you would like to create a configuration notecard for from the list below. If multiple versions are available, then they are shown in the brackets -- only use the older versions if the main version does not work.

- Choice
- LoginZone
- MetaGloss
- Password Reset
- Picture Gloss
- Presenter
- PrimDrop
- Quiz Chair
- Quiz File-On
- Registration/Enrolment Booth
- SLOODLE Set
- Second Life Tracker
- Sloodle API HQ
- Sloodle Award System
- Vending Machine
- WebInsercom

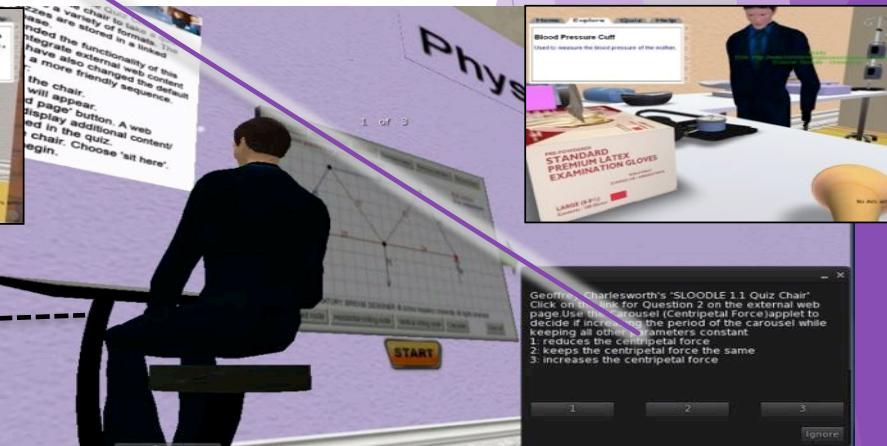
Attempts: 16

Showing graded and ungraded attempts for each user. The one attempt for each user that is graded is highlighted. The grading method for this quiz is Highest grade.

First name / Surname	Started on	Completed	Time taken	Grade/10	#1	#2	#3	#4
Geoffrey Crisp	5 May 2010, 06:09 PM	5 November 2010, 09:50 PM	184 days 3 hours	2.5	0/2.5	2.5/2.5	0/2.5	0/2.5
	29 June 2010, 02:53 PM	5 November 2010, 09:50 PM	129 days 8 hours	5	2.5/2.5	2.5/2.5	0/2.5	0/2.5
	6 July 2010, 02:46 PM	5 November 2010, 09:50 PM	122 days 7 hours	5	2.5/2.5	2.5/2.5	0/2.5	0/2.5
	6 July 2010, 03:22 PM	5 November 2010, 09:50 PM	122 days 8 hours	5	2.5/2.5	2.5/2.5	0/2.5	0/2.5
	6 July 2010, 04:18 PM	5 November 2010, 09:50 PM	122 days 9 hours	7.5	2.5/2.5	2.5/2.5	2.5/2.5	0/2.5
	8 July 2010, 02:41 PM	5 November 2010, 09:50 PM	120 days 7 hours	2.5	0/2.5	2.5/2.5	--/2.5	--/2.5
	5 May 2010, 09:04 PM	5 November 2010, 09:50 PM	184 days	5	2.5/2.5	2.5/2.5	0/2.5	0/2.5
	6 May 2010, 10:18 AM	5 November 2010, 09:50 PM	183 days 11 hours	2.5	0/2.5	2.5/2.5	0/2.5	0/2.5
	6 May 2010, 10:20 AM	5 November 2010, 09:50 PM	183 days 11 hours	3	2.5/2.5	2.5/2.5	0/2.5	0/2.5
	6 May 2010, 12:32 PM	5 November 2010, 09:50 PM	183 days 8 hours	5	2.5/2.5	2.5/2.5	0/2.5	0/2.5
	6 May 2010, 07:12 PM	5 November 2010, 09:50 PM	183 days 2 hours	2.5	0/2.5	2.5/2.5	0/2.5	0/2.5
	7 May 2010, 12:38 PM	5 November 2010, 09:50 PM	182 days 9 hours	2.5	0/2.5	2.5/2.5	0/2.5	0/2.5
	3 June 2010, 03:47 PM	5 November 2010, 09:50 PM	129 days 6 hours	2.5	0/2.5	2.5/2.5	0/2.5	0/2.5
	16 June 2010, 05:25 PM	5 November 2010, 09:50 PM	142 days 4 hours	5	2.5/2.5	2.5/2.5	0/2.5	0/2.5
	7 May 2010, 03:44 PM	7 May 2010, 03:45 PM	31 secs	4	2.5/2.5	2.5/2.5	0/2.5	0/2.5
	Overall average	29 June 2010, 03:56 PM	29 June 2010, 03:56 PM	26 secs	5	2.5/2.5	2.5/2.5	0/2.5



SLOODLE 1.1: Quiz Chair Resetting... Configuration received Starting quiz for Geoffrey Charlesworth Fetching quiz data Ready to attempt Sloodle example for physics. Moving the (yellow) fixed node closer to the load increases the tension in the left hand truss.



Videos: Transforming Assessment Youtube Channel

Case studies

More information and mini cases at
<http://transformingexams.com>

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