It is possible to create a test with questions randomly pulled from a pool of questions. For example, if you have a pool of 50 questions, you can create a test of 20 questions that are randomly pulled from the pool of 50. This ensures that students are unlikely to receive the same questions on a test, decreasing the odds of cheating. To create a test with randomized question sets is a two step process. First you have to create the pool of questions. Then you have to build the test. A third step is to then add a test to a content area for distribution.

**BUILD QUESTION POOL**

1. Login to Blackboard.
2. Click on one of your courses.
3. Click on **Course Tools** then click **Tests, Surveys, and Pools**.
4. Click Pools.

Tests, Surveys, and Pools

> Tests

Tests are sets of questions that are graded to measure student performance. Once a test is created here, it must be deployed within a content folder before students can take the test. Test results are reviewed in the Grade Center. Note that some question types are not automatically graded.

> Surveys

Surveys are not graded. They are useful for gathering data from students that is not used to evaluate student performance. Surveys must be deployed in a content folder for students to respond to the survey.

> Pools

Pools are sets of questions that can be added to any Test or Survey. Pools are useful for storing questions and reusing them in more than one Test or Survey.

5. Click Build Pool.

6. Type in a Name and click Submit.

7. Create Questions just like you would in a test.

8. Click OK when done.
CREATE TEST USING POOL

1. Click on Course Tools then click Tests, Surveys, and Pools.

2. Click Tests.
3. Click **Build Test**.

4. Give the test a **Name** and click **Submit**.

5. Under **Reuse Question** click **Create Random Block**.

A window will pop up with some options for choosing questions.
6. In the Question Types list in the left-hand side of the window, select the question types to be included in the random pool or select **All Questions** if all questions in the pool will be included.

7. Click **Submit**. **NOTE:** This will only select questions of a particular type. If specific questions are desired, then this process will not work.
SELECT OPTIONS FOR RANDOM BLOCKS

Once a Random Block has been created, there are several options that can be selected to modify the existing block to meet the needs of an instructor.

Random Blocks (or questions in general) can be moved within a test by simply clicking and dragging the up/down arrow icon to the left of the question block. Click and drag the icon to its new location.

**Click and drag to new location in test**

![Image](image_url)

**Change Points Per Question**

There are two ways to change the points per question. One applies only to points within a particular Random Block. The other way can apply to points within a block or to the test as a whole.

**Method 1: Change Points Only for a Block**

1. Click the current value for the **Points per question** box within a Random Block.
2. Type in a new value in the **Update Points** box.

![Image of Update Points box]

3. Click **Submit**. A green message will briefly flash on the screen indicating the points per question have been changed.

**Method 2: Change Points for Whole Test or for Individual Block**

1. Select checkboxes for the Random Blocks where points will change. If all Random Blocks are selected, then all points will be changed. **NOTE:** Click **Select All** at top of section to select all checkboxes for Random Blocks.

![Image of Select All button]

**Click “All” to select all Random Block checkboxes**

![Image of Random Block selection]

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Educational Technology @ Missouri S&T
edtech@mst.edu

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Create Tests with Random Questions from a Pool -- 7
2. In the **Points** box at the top of the Random Blocks section of the page, type in a new point value.

3. Click **Update**. A green message will appear just above “Test Canvas: <Test Name>” indicating the points for one or more questions have been updated.

**Select Number of Questions in Block**

It is possible to change the number of questions in a Random Block (default is 1). This will cause the Random Block to select and display \( n \) questions from a pool of \( r \) questions, where \( n \leq r \).

For each Random Block on the test:

1. Click in the **Number of Questions to display** box.

2. Type in a new number. **NOTE:** This number MUST be less than or equal to the Total Questions for the Random Block.

3. Click **Submit**. A green message will briefly flash on the screen indicating the number of questions for that block has changed.