

Beacon Online Testing



The Common Core

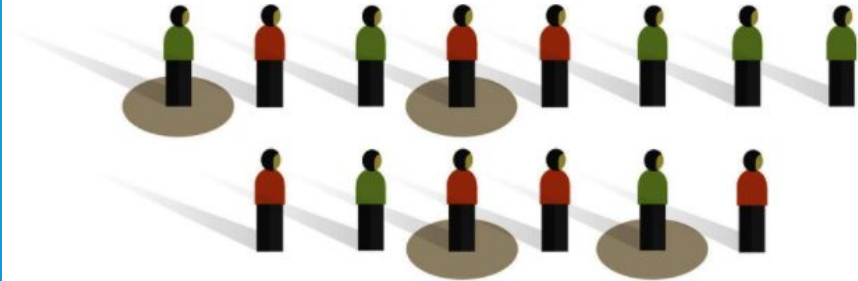


7th Grade Math

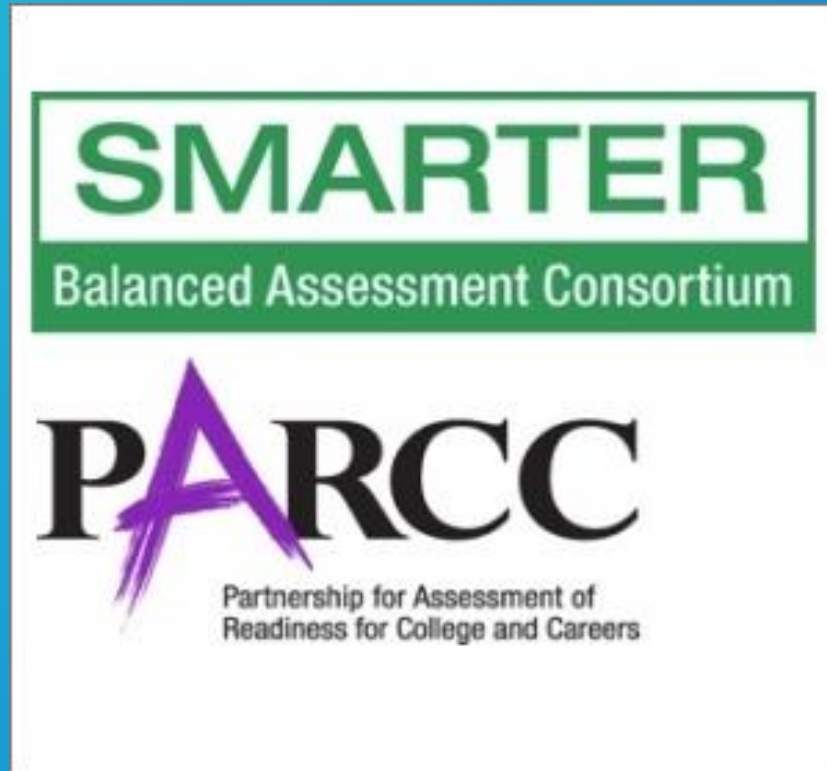
CCSS.MATH.7.SPA.1

Use random sampling to draw inferences about a population

Simple random sampling



End of Year Standardized Testing



Beacon for Interim Assessments

1. SaaS Product
2. Sold directly to school districts
3. RFPs

Goal
Increase Sales
Win LAUSD Bid



Requests

1. Technology Enhanced Items
2. Assessment Branching
3. Support their 730,000 students

Benefit of TEIs

1. Measure deeper knowledge
2. Increase engagement

Technology Enhanced Items

Classification (drag and drop)

The interface is designed for classifying fractions based on their relationship to $\frac{1}{2}$. It consists of three main columns: "Less than $\frac{1}{2}$ ", "Equal to $\frac{1}{2}$ ", and "Greater than $\frac{1}{2}$ ".

Below the columns is a drag-and-drop area. Currently, two fractions, $\frac{1}{3}$ and $\frac{1}{4}$, are placed in the "Less than $\frac{1}{2}$ " column. A mouse cursor is positioned over a fraction tile in this area.

At the bottom, a palette of fraction tiles is available for selection. The tiles include: $\frac{2}{4}$, $\frac{2}{3}$, $\frac{3}{6}$, $\frac{2}{5}$ (highlighted), $\frac{5}{10}$, $\frac{12}{10}$, $\frac{6}{12}$, $\frac{3}{12}$, $\frac{50}{100}$, and $\frac{5}{3}$.

Technology Enhanced Items

Graphing
(plotting points)

Plot the coordinate pairs on the grid.

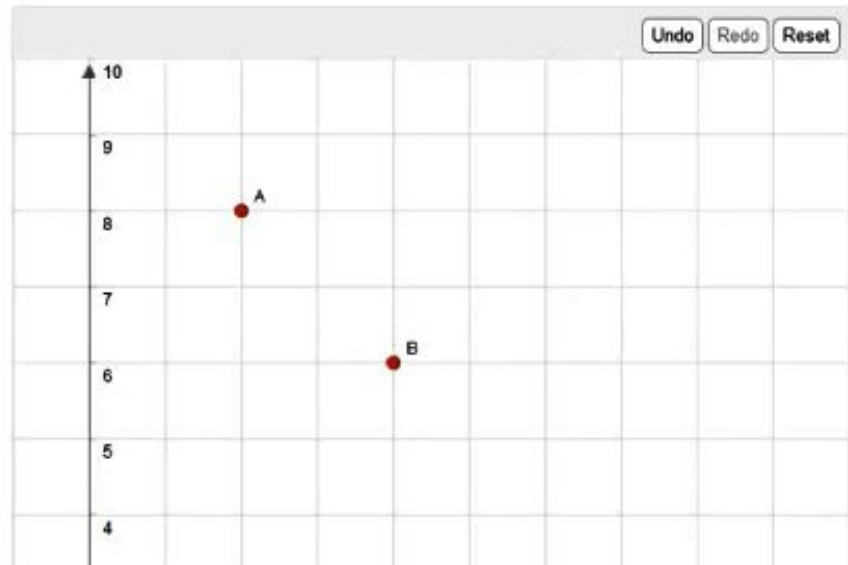
(2, 3)

(8, 7)

(3, 0)

(4, 1)

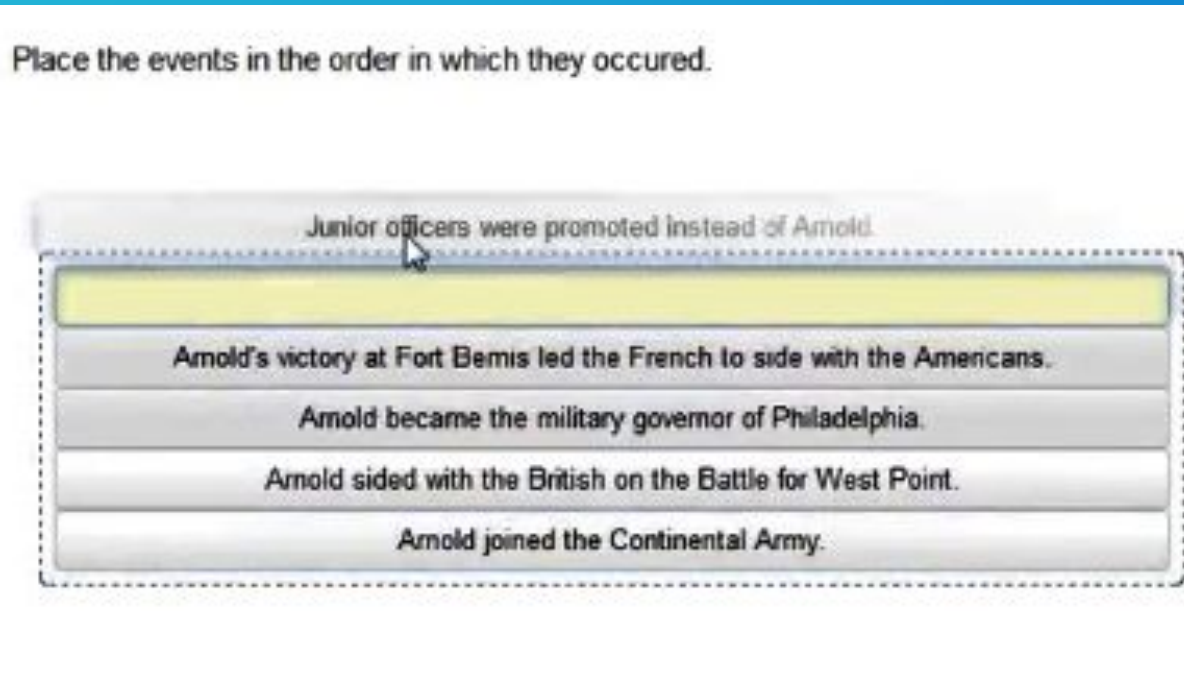
(0, 6)



Technology Enhanced Items

Ordering

Place the events in the order in which they occurred.



Junior officers were promoted instead of Arnold.

Arnold's victory at Fort Bemis led the French to side with the Americans.

Arnold became the military governor of Philadelphia.

Arnold sided with the British on the Battle for West Point.

Arnold joined the Continental Army.

Technology Enhanced Items

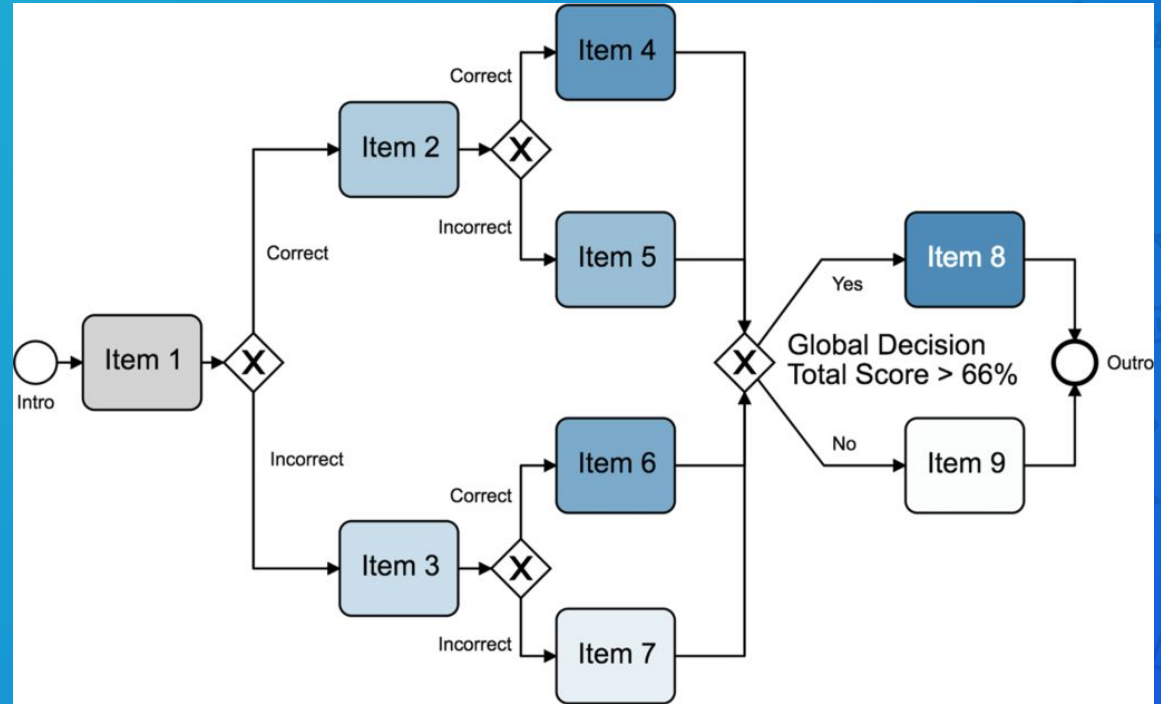
Text Highlight

Select four words in paragraph 1 that provide context clues for the meaning of the word traitor.

Most people associate the name "Benedict Arnold" with the word "traitor." Benedict Arnold is remembered for **betraying** the American patriots during the Revolutionary War. Before his betrayal, however, Arnold was a hero of the American Revolution.

Benefit of Assessment Branching

Adapts to
learner's ability



Scaling

730,000 students

Prioritization

1. Differentiation
2. Feasibility of building before BOY
3. Value for current customers

Conclusion:

Technology Enhanced Items

Why?

1. Timing
2. Use to existing customers
3. Differentiation

Differentiation

Content + Administration
= Uniquely suited to provide TEIs

Beacon Subteams

Test Creation
Administration
Reporting

Test Creation

The screenshot displays a test creation interface with a top navigation bar containing tabs for "Graded", "Survey", "Freeform", "Draw From Bank", and "Result Slides". Below this, a grid of question type icons is shown. The "True/False" icon is highlighted with a yellow border. To the right of the grid, a larger preview of a True/False question is displayed, showing the text "True/False" and a description: "True/False is a graded question that requires the user to select the single correct choice from two choices. It is usually written in the form of a statement that is either true or false."

Graded Survey Freeform Draw From Bank Result Slides

T/F
True/False

Multiple Choice

Multiple Response

T/F
True/False
True/False is a graded question that requires the user to select the single correct choice from two choices. It is usually written in the form of a statement that is either true or false.

ab |
Fill in the Blank

Word Bank

Matching Drag and...

Matching Drop-down

Sequence Drag and...

Sequence Drop-down

123
Numeric

Hotspot

Test Administration

Mathematics - Elementary Grades Math Technology Enhanced Items Patricia Aandre

1 2 3 4 5 6

3 of 6

When cooking a certain type of rice, the ratio of water to rice should always be 3 to 2. Fill in the table to show how many cups of water or rice are needed so that the ratio of water to rice is 3 to 2.

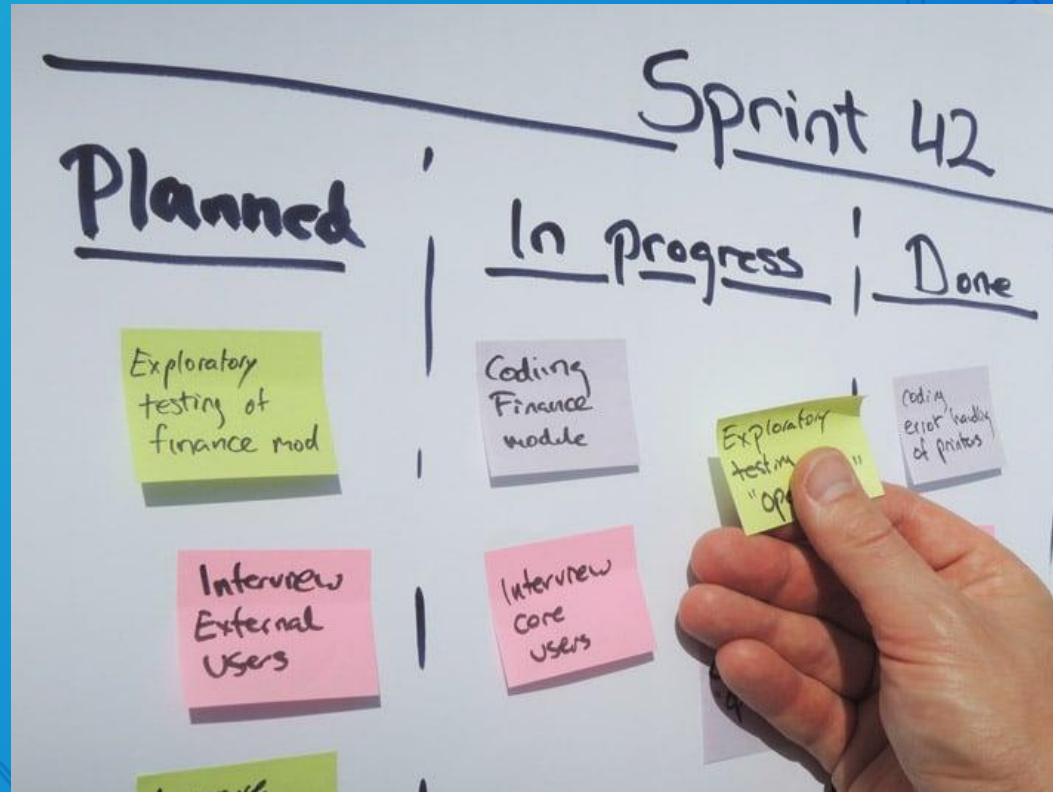
Water	Rice
3	2
6	<input type="text" value="34"/>
<input type="text"/>	10
16.5	<input type="text" value="21"/>
<input type="text"/>	21

Reporting



My Role: PM on Test Administration

Led Agile Dev Team
Upper management
Sales
Documentation
Account Managers
Subteam PMs and TLs





Approach:

In-House vs. Vendor



Learnosity

Success!

Won LA bid

Released TEIs over summer

Content first

Administration during
authoring phase



Lessons

Sales strategy vs. product roadmap

Existing vs. new customers

High-revenue customers



STRATEGY

Beacon

