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2023 GED CONFERENCE

## Exploring Technology Enhanced Test Items

New York, New York

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## 2023 GED CONFERENCE



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# General Announcements

- Today's presentation will consist of informational PowerPoint slides interspersed with interactive sample items.
- The PowerPoint will be posted; the sample items will be posted separately.
- We will stop occasionally for questions, with a Q&A at the end.
- Questions before we begin?

# Purpose

- To share information about technology-enhanced items (TEIs), which are a small but vital part of the GED content-area assessments
- To build familiarity with the functionality of TEIs

# Topics

- General information about technology-enhanced items (TEIs)
- Types of TEIs (including their scoring)
- Demonstration of sample items
- Q&A

# General Information

# Why Use TEIs?

- TEIs allow students to demonstrate their content knowledge in ways that aren't possible with multiple-choice (MC) items.
- TEIs allow for content to be assessed in greater depth.

# TEIs vs. MC Items

- Most content skills are measured by both item types.
- Both types assess **one** content skill, and generally consist of a stimulus (set-up) and a stem (question).
- The main difference is in how test takers respond to the question.



# TEIs: Scoring

TEIs may have:

- one response expected/allowable, OR
- multiple responses expected/allowable.

Additionally, they may have:

- one correct answer possible, OR
- multiple correct answers possible.

# TEIs: Scoring—Multiple Responses

- For TEIs that allow for multiple correct answers, test takers are *not* asked nor expected to determine *all* the correct answers.
- Example:  $3/4$  and  $6/8$  would be considered mathematically valid responses—although test takers only have to provide *one* response.

# Questions?

*(Before we continue...)*



# TEI Types & Sample Items

# Dropdown

QA Review Field Test Items - Candidate Name

Question 1 of 15 (1030122)

Highlight (H)

Flag for Review

Formula Sheet

Simplify.

$$3 \times (8 - 4) + 6 \div 2 - 5$$

Select... ▼

Select...

-10

8

10

12

18

End Test

Navigator Next →

# Dropdown

- Dropdown items consist of one or more pull-down menus.
- Multiple-dropdown items sometimes have response menus that work in tandem.
- Dropdowns are sometimes used when there are more than three good distractors (incorrect answers).

# Fill-in-the-Blank

QA Review Field Test Items - Candidate Name

Question 4 of 15 (1034502)

Highlight (J) Calculator

Flag for Review

Calculator Reference

Researchers collected wind speed data for a city over 10 days. The table shows the data rounded to the nearest whole number.

Day	Wind Speed (mph)
1	6
2	12
3	10
4	12
5	15
6	5
7	2
8	10
9	12
10	6

What is the median of the data?

You may use the calculator.

mph

End Test

Previous

Navigator

Next

# Fill-in-the-Blank

- Strictly numerical
- May or may not allow decimals
- Have a maximum number of characters
- Error message will display if test taker attempts to enter a disallowed character OR attempts to enter too many characters



# Fill-in-the-Blank: Scoring

Rounding is not assessed by the GED Assessment Targets; therefore, rounding incorrectly is *not* a consideration in scoring.

- Consider a decimal-type FIB item with an answer of '3.84' and directions to round to the nearest tenth—an answer of **'3.8'** OR **'3.9'** would be considered correct

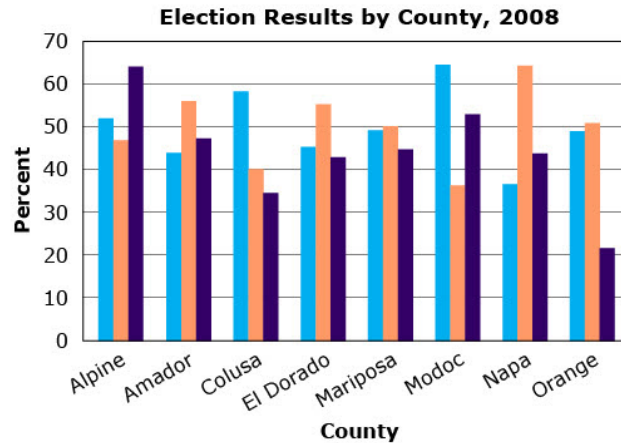
# Hot Spot

## Proposition 98

In California, voters can exercise popular sovereignty by voting on proposed laws brought to them through the initiative process. In 2008, Proposition 98 asked for limits on the power of the state government to seize private land. The proposition was defeated.

The graph shows Proposition 98 election results in several counties. According to the graph, which three counties voted in favor of Proposition 98?

Click on the *three* county names in the graph you want to select.



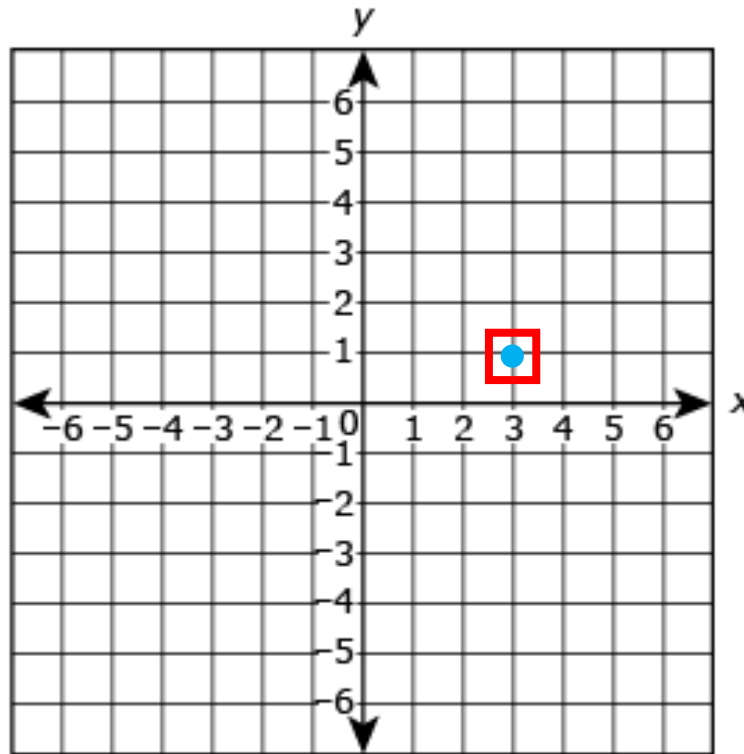
KEY	
■	Percent of Voters for Proposition 98
■	Percent of Voters against Proposition 98
■	Percent of Registered Voters Participating

# Hot Spot

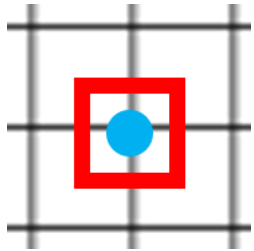
- Two types: 'hot spot' and 'hot area'
- A 'hot spot' shows up as a red 'X' or a blue dot (●).
- A 'hot area' will highlight an entire section of the response area (e.g., text, map, diagram, table).

# Hot Spot: Range in Placement

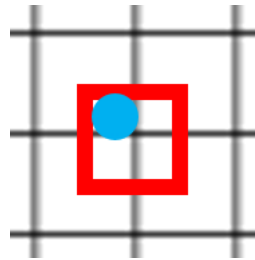
On 'hot spot' items, there is (some) range on where hot spots can be placed.



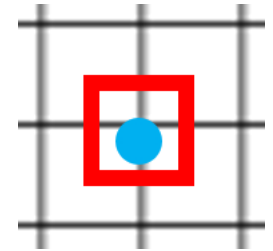
# Hot Spot: Range in Placement



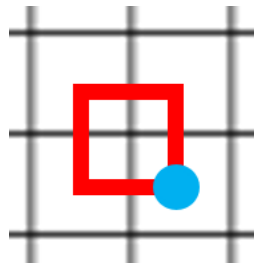
**CORRECT**



**CORRECT**



**CORRECT**



**INCORRECT**

# Drag-and-Drop

QA Review Field Test Items - Candidate Name

Question 10 of 15 (1031761)

Highlight (J)

Flag for Review

What is the sequence of events required to elect a U.S. president?

Click on the events you want to select and drag them into the boxes.

Events	Sequence
National party conventions take place.	1
Presidential primaries and caucuses are held.	2
Electoral College casts ballots for president.	3
General election takes place.	4

End Test

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# Drag-and-Drop

## Drop bays:

- Empty or numbered shapes, arranged according as appropriate to the assessed skill

## Draggers:

- Shapes containing text or numbers which can be placed in the drop bays
- Draggers may be single-use or multiple-use.
- Some draggers might not be used.

# Computer Tutorial

The computer tutorial enables students to practice with TEIs, and is available in English and Spanish.

<https://ged.com/practice-test/en/computer-demonstrator>

<https://ged.com/practice-test/es/computer-demonstrator>



Q & A

WHICH  
HOW  
WHERE  
WHY  
WHEN  
WHY  
WHERE  
WHY

about  
answers  
where  
why  
FAQ

which  
help  
who  
WHEN  
WHY

why  
what  
when

which  
how

# Session Survey

Your feedback is important.  
Please scan the QR code below  
to rate this session.



# Thank you!

Communicate with GED Testing Service®  
[help@ged.com](mailto:help@ged.com)

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