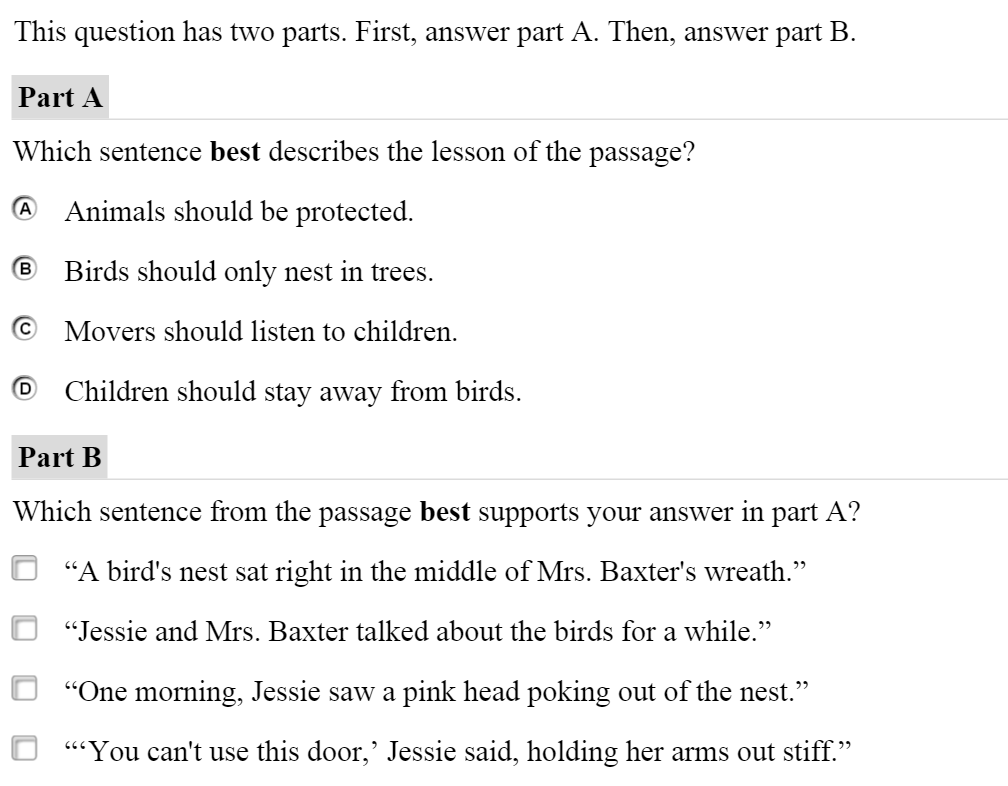
|  |  |
| --- | --- |
|  | Item Types and Accessibility Features (Preliminary) |

1. **Introduction**
   1. **Purpose**

This document describes each item interaction type and each item-embedded accessibility feature for Smarter Balanced assessments. Refer to this document for examples of item types and accessibility features, including information about how accessibility features are made available.

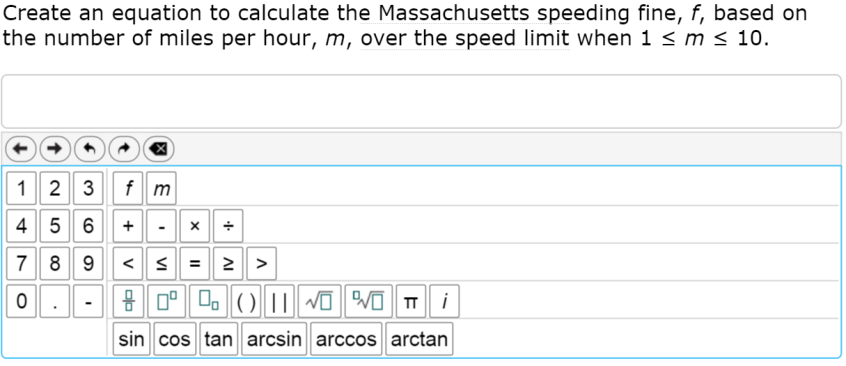
1. **Primary Item Types**
   1. Evidence-Based Selected Response (EBSR)

EBSR items combine two sets of stems and response options into a single item. Unlike MultipleChoice and Multi-Select item types, EBSR items cannot be displayed in horizontal or stacked layouts. EBSR items can only display response options vertically.



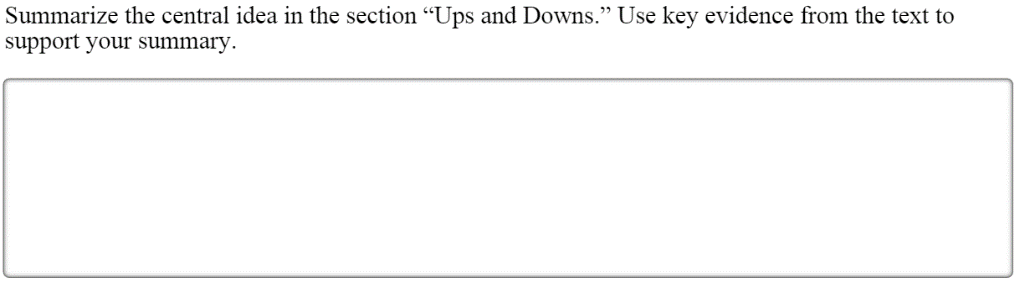
* 1. **Equation (EQ)**

The Equation item response area consists of one or more entry boxes and an on-screen keyboard containing mathematical characters. These items are 769 pixels wide or use 100% of the available response area width (whichever is smaller). The default height is 254 pixels.



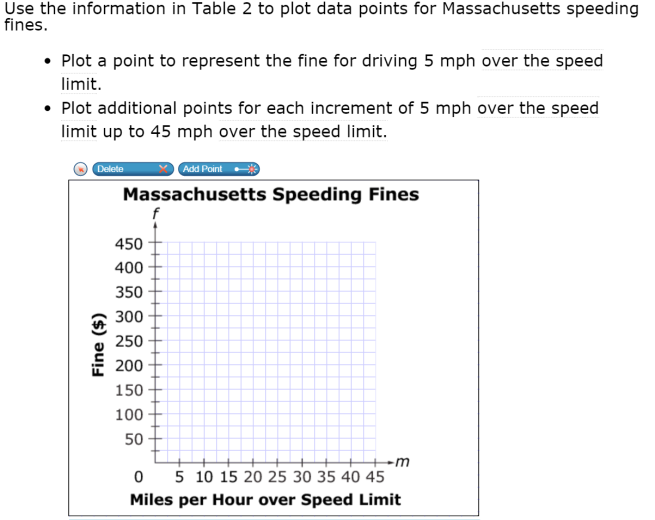
* 1. **Extended Response (ER) and Short Answer (SA)**

The response areas for Extended Response (ER) and Short Answer (SA) item types essentially have the same appearance. Extended Response (ER) areas accommodate more text than Short Answer response areas. You can configure the character limit for both item types.



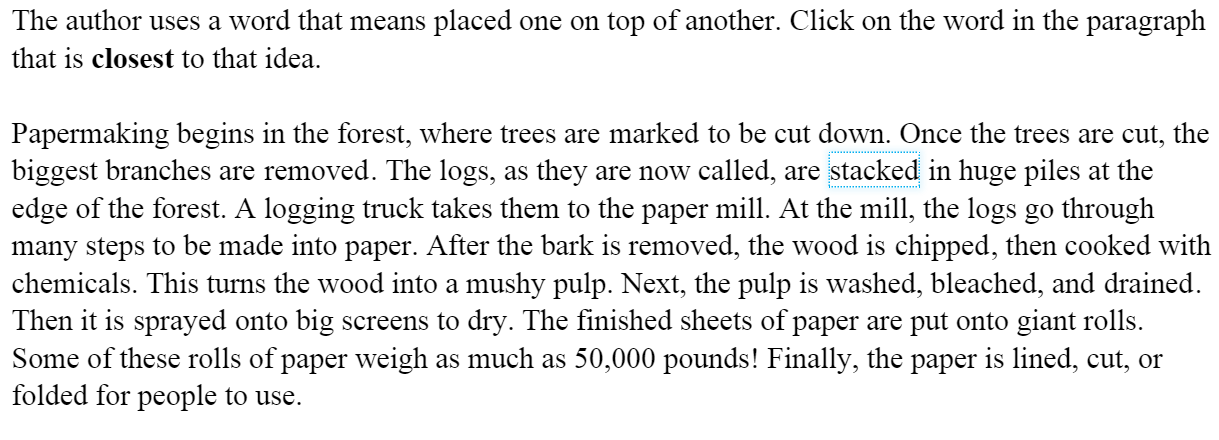
* 1. **Grid Item (GI)**

The Grid item response area consists of a grid in which students can select objects, place objects, and construct graphs. Each grid area is usually 550 pixels tall by 650 pixels wide, depending on the layout (in layout 21 the grid is 465 x 575).



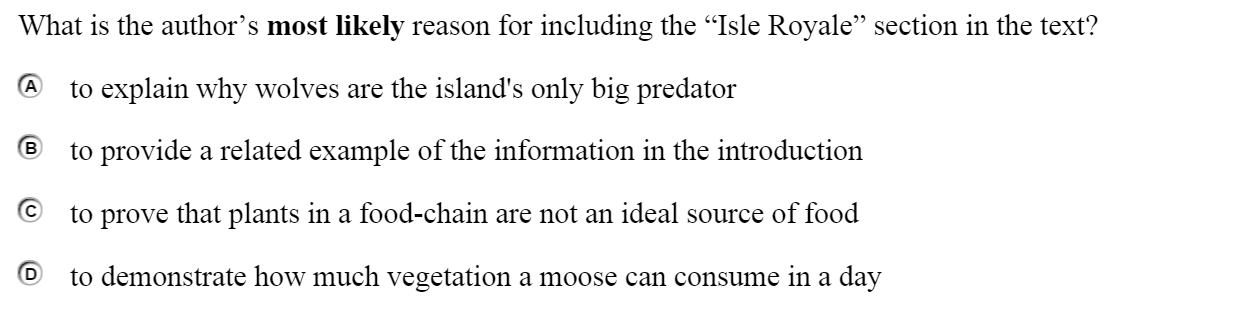
* 1. **Hot Text (HTQ)**

The response area for Hot Text items consists of a section of text containing interactive words or phrases that students can either select (highlight) by clicking or rearrange by clicking and dragging. In the image below, the word ‘stacked’, outlined in light blue, is an example.



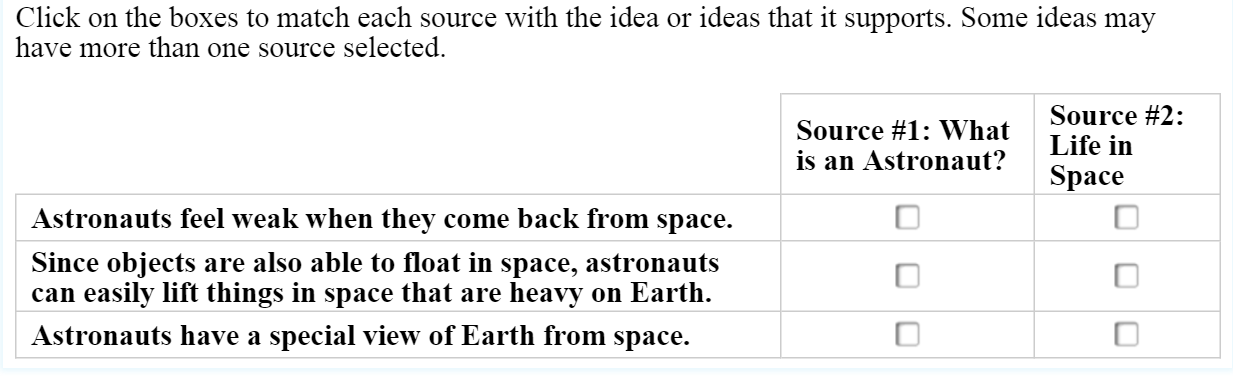
* 1. **Multiple Choice (MC)**

For multiple choice responses, only one answer can be selected among several possibilities.



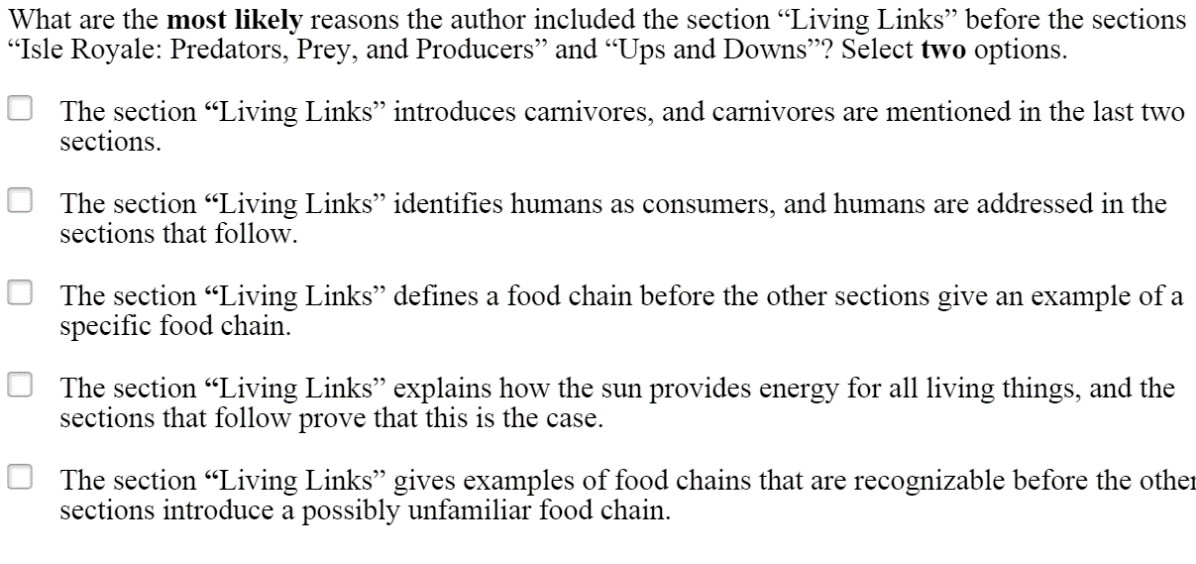
* 1. **Match Interaction (MI)**

For the Match Interaction (MI) types, the student will select all boxes that apply.



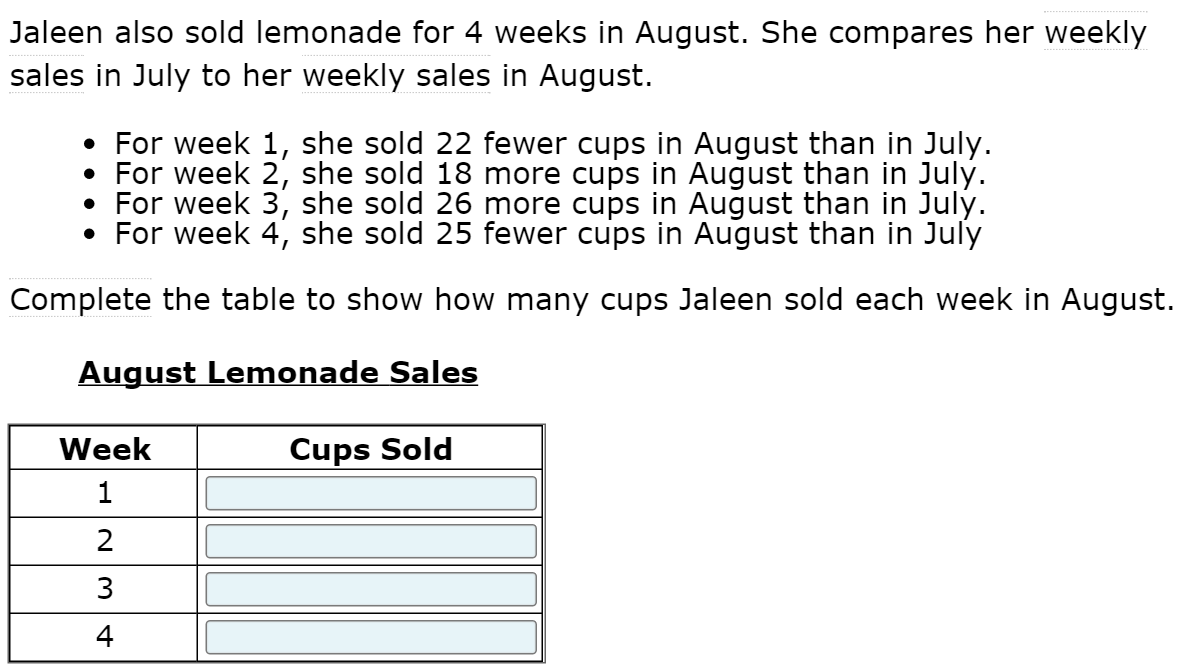
* 1. **Multi Select (MS)**

For the Multi Select (MS) option, students are given a number of items to select to answer the questions. For the example below, two of the listed items will be selected.



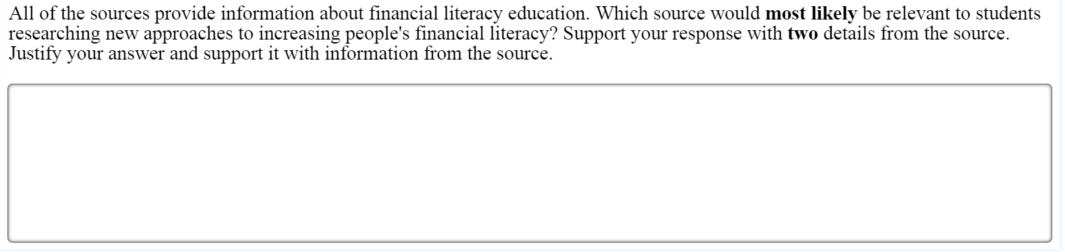
* 1. **Table Interaction (TI)**

For Table Interaction (TI) item types, students are provided with a table that includes a separate area of cells in which students may enter text.



* 1. **Writing Extended Response (WER)**

Writing Extended Response (WER) item types provide more space for students to provide their written responses.



* 1. Supplementary item types are, *Passage* (Pass), and *Tutorial* (Tut), and *Wordlist* (Glossary).
     1. **Passage (Pass)**

A passage is an extended stimulus that is referenced by multiple response items that follow. Typically a passage is an extended-length text in HTML format. However, it can include multimedia such as an audio listening passage or a video. As with response items, passages may have accessibility features such as ASL video and closed captioning.

* + 1. **Tutorial (Tut)**

Like a passage, a tutorial is extended HTML text which may include multimedia and accessibility features. Each tutorial is associated with a particular response type and is used to inform students how to respond to that particular interaction type.

* + 1. **Wordlist (Glossary)**

A wordlist is supplementary material to an item that provides glossary entries in English and other languages. Glossary information may include text, audio, and images.

1. Accessibility features are made available in one of three ways: *Item-Embedded Features, System-Embedded Features*, and *Non-Embedded Features*. This document only defines the item-embedded features. Additional details about system- and non-embedded features can be referenced through the Usability, Accessibility, and Accommodations Guidelines (UAAG) found on SmarterBalanced.org (<http://www.smarterbalanced.org/wp-content/uploads/2015/09/Usability-Accessibility-Accomodations-Guidelines.pdf>).
   1. **Item-Embedded Features** appear *within* the assessment items. This category includes information that may not be visible in a conventional browser but interacts with assistive technology, such as alternative spellings for text-to-speech and braille screen readers.
      1. Embedded American Sign Language (ASL) videos for math items, math performance tasks (PTs), and ELA listening sets (audio stimulus and associated items).
      2. Closed captioning for ELA listening stimuli and other audio components in the test delivery interface.
      3. Text-to-speech annotations (alternate text spelling to improve text-to-speech performance) – for use by assistive technology.
      4. Braille annotations – for use by assistive technology including refreshable braille displays.
      5. Braille emboss-on-demand attachments
      6. Stacked translation into multiple languages
      7. English glossary for specific words or phrases.
      8. Translated glossary for specific words or phrases
      9. Audio clips attached to English and translated glossary entries
      10. Image glossary for specific words or phrases
      11. Braille transcripts of closed captions.
   2. **System-Embedded Features** are offered online by the test delivery system but are not embedded in the item. Examples include a dictionary, or calculator. Availability of these features may be restricted according to item metadata.
   3. **Non-Embedded Features** are provided by the test administrator or organization. Examples are a paper multiplication table, translated test directions, or a bilingual dictionary.