

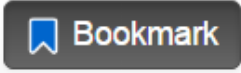




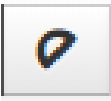
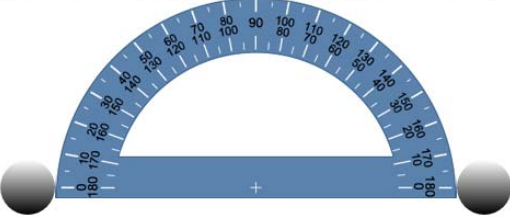







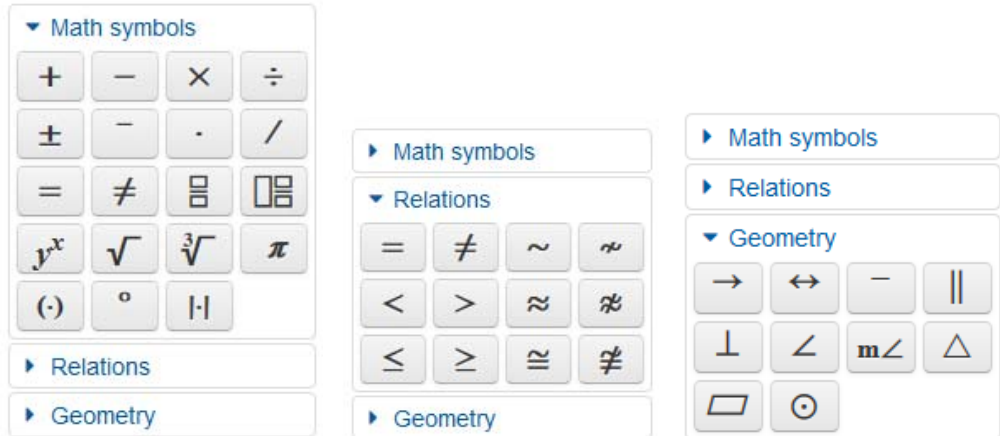
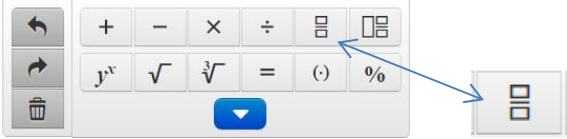
PARCC Math Assessment Technology Navigation ZOOM Meeting

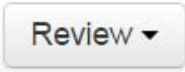
Grade 8


(Use this handout when viewing the YouTube video at <https://youtu.be/67GtwgMzqxY>)

Topic	Discussion
	<p>https://parcc.pearson.com/ >Test Preparation > Tutorials > Online Student Tutorials> Grade 8 Math Computer-Based Assessment Tutorial</p>
	<p>Forward to next question Back to Previous Question</p>
	<p>Possible to go back without hitting back button multiple times</p>
	<p>Mark/tag item for review later. Bookmark will show up in Review dropdown</p>
<p>Calculators</p>   <p>Icon will be available if calculator allowed on the item.</p>	<p>Allowable Calculators</p> <ul style="list-style-type: none"> • Grade 8: Scientific calculators <p>Additionally, schools must adhere to the following additional guidance regarding calculators:</p> <ul style="list-style-type: none"> • No calculators with Computer Algebra System (CAS) features are allowed. • No tablet, laptop (or PDA), or phone-based calculators are allowed during PARCC assessments. • Students are not allowed to share calculators within a testing session. • Test administrators must confirm that memory on all calculators has been cleared by resetting the calculator to its default settings before and after each testing session. • Calculators with “QWERTY” keyboards are not permitted. • If schools or districts permit students to bring their own hand-held calculators for PARCC assessment purposes, test administrators must confirm that the calculators meet PARCC requirements as defined above. <p>Calculator Accommodations:</p> <p>For students who meet the guidelines in the <i>PARCC Accessibility Features and Accommodations Manual</i> for a calculation device, this accommodation allows a calculator be used on non-calculator sections of any PARCC mathematics assessment. The following are allowable calculators for the accommodation on non- calculator sections: Grade 8: Scientific calculators (Student may also bring a four-function with square root and percentage functions in addition to grade-level calculator.)</p>
	<p>Pointer – Allows student to highlight text</p> <p>Multiple select</p> <p>Select all that apply.</p> <ul style="list-style-type: none"> <input type="checkbox"/> A. Multiple-select items are represented by a square. <input type="checkbox"/> B. Multiple-select items allow more than one answer choice to be selected.

	<h3>Answer eliminator</h3> <p>What does the value 2,649 represent?</p> <p>A. the predicted increase in the number of elephants in the region each year</p> <p>B. the predicted number of elephants in the region in 1995</p> <p><input type="radio"/> C. the year when the elephant population is predicted to stop increasing</p> <p><input type="radio"/> D. the percentage the elephant population is predicted to increase each year</p>
 <p>Icon will be available if protractor needed on the item.</p>	 <p>Protractor - Click on protractor to 'grab and move'. Grab circle to orient. Available on test items that might require protractor.</p>
	 <p>Ruler Click on inch or centimeter ruler to 'grab and move'. Grabbing the circle allows the ruler to change orientation. 1/8 inch and centimeter rulers</p>
 <p>In top right corner</p>	<div style="border: 1px solid gray; padding: 5px;"> <p>Change the background and foreground color</p> <p>Enable Magnifier</p> <p>Show Line Reader Mask</p> <p>Enable Answer Masking</p> <hr/> <p>Sign out of TestNav</p> </div>
<p>Multiple Choice</p>	
<p>Multiple Select</p>	<p>Notice: squares; one or more answers possible</p>
<p>Drag and Drop</p>	
<p>Equation Editor: Basic (math values and symbols only)</p>	<p>Basic:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;">  </div> <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;">  </div> </div> <p>Note: blue arrow will open more symbols.</p>

<p>Equation Editor: Open-response (math values, symbols, plus text)</p>	<p>Open-Response:</p> 																					
<p>Equation Editor fraction entry</p> <p>Applies to radical and exponential entries also.</p>	 <p>Enter 2/3 After entering denominator, 3, use right arrow key to continue expression/equation. If not, the operation symbol will stay in denominator.</p>																					
<p>Equation Editor tutorial</p>	<p>https://parcc.pearson.com/tutorial/ Look along right side of web window Available by grade cluster (3-5, 6-8, HS)</p>																					
<p>Fill in the blank</p>	<p>Negative numbers can be entered but fractions can not be entered. An error message will be displayed if invalid entry made.</p>																					
<p>Hot spot</p>	<p>Requires selecting a spot as an answer choice. When selected, the area will turn dark blue. To deselect, select another spot on the line or area and click to select.</p>																					
<p>Matrix</p>	<p>Select one response per column or row. (Students should know difference between columns and rows as some questions will include specifics in instructions.) Classify each equation as defining y as a linear or nonlinear function of x. Select one cell per column.</p> <table border="1" data-bbox="406 1486 1461 1701"> <thead> <tr> <th>function</th> <th>$y = 7 \times 4x$</th> <th>$y = (2x + 5)^2$</th> <th>$y = 10x^2$</th> <th>$y = 5x - 3$</th> <th>$y = \frac{x}{2}$</th> <th>$y = 2x^3 + 1$</th> </tr> </thead> <tbody> <tr> <td>linear</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>nonlinear</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </tbody> </table>	function	$y = 7 \times 4x$	$y = (2x + 5)^2$	$y = 10x^2$	$y = 5x - 3$	$y = \frac{x}{2}$	$y = 2x^3 + 1$	linear	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	nonlinear	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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<p>Inline-choice items (drop downs)</p>	<p>Student must pick a choice for each drop-down for answer to be considered complete. If not, question will not be scored (score 0)</p>																					

Line-graph items	Line-graph items require selecting two points which are automatically connected by a line. To remove point, click on point again and it will be deselected.
Bar-graph items/ Histogram items	Drag the bar to correct length. Note: the default is NOT zero; make sure to drag to correct length for each bar.
Interactive- Number-Line items	Interactive-number-line items require choosing rays or segments to plot on a number line. A remove button will be activated when selection made that allows entry to be cleared.
System of Equations items	Activate the line(s) being graphed by selecting Line A, B, etc. (graphed line will be the same color) and select the line style (i.e. solid line or dotted line). If requested, activate to select point or region of intersection
Graphing Polygons	Points are connected in order plotted. Students plot vertices in order they should be connected then select ' Close Shape ' button to complete.
	At end of session, check <i>Review</i> for items that may have been bookmarked or not answered.
Not represented in tutorial:	
Coordinate Plane items	Special hot spot to graph a point(s). Students may need to activate the point being graphed by clicking the bar representing the point.

Type of Item	Practice Opportunities
Multiple Choice	<p>2016 Practice Items https://parcc.pearson.com/practice-tests/</p> <p>2016 Release Items https://prc.parcconline.org/assessments/parcc-released-items</p> <p>2016 Practice / 2015 EOY and PBA practice Items available at MC² website http://mc2.nmsu.edu/ > Standards-Based Resources > MC² PARCC Resources > MC² Current and Archived PARCC Resources (top of page)</p>
Multiple Select	<p>Practice Items: Grade 8 U1/#5, 6, 10, 13, 16; U2/2, 7, 8; U4/3, 5</p> <p>Release Items: Grade 8 #4, 5, 9, 11, 12, 13, 14, 18, 19, 20, 21, 22, 25</p>
Drag and Drop	<p>Practice Items: Grade 8 U1/1; U4/9</p> <p>Release Items: Grade 8 #8, 15</p>
<p>Equation Editor: Basic (math only)</p>  <p>Note: blue arrow will open more symbols.</p> <p>Open-response (math plus text)</p> <ul style="list-style-type: none"> ▶ Math symbols ▶ Relations ▶ Geometry 	<p>Basic</p> <p>Practice Items: Grade 8 -</p> <p>Release Items: Grade 8 -</p> <p>Open-response</p> <p>Practice Items: Grade 8 U2/3, 5, 8; U4/2, 4, 5, 7</p> <p>Release Items: Grade 8 #26, 27, 28</p>

Fill in the blank	Practice Items: Grade 8 U1/7, 14,17; U2/2, 10; U4/3, 8 Release Items: Grade 8 #2, 3, 7, 17, 20, 21, 22, 23, 24
Hot spot	Practice Items: Grade 8 U1/4 Release Items: Grade 8 -
Matrix	Practice Items: Grade 8 U1/3, U1/8 Release Items: Grade 8 #6, 10
Inline-choice items (drop downs)	Practice Items: Grade 8 U1/9, 12; U3/1; U4/8 Release Items: Grade 8 #16, 18, 19, 25
Line-graph items	Practice Items: Grade 8 U1/15 Release Items: Grade 8 -
Bar-graph items Histogram items	Practice Items: Grade 8 - Release Items: Grade 8 -
Interactive-Number- Line items	Practice Items: Grade 8 - Release Items: Grade 8 -
System of Equations items	Practice Items: Grade 8 - Release Items: Grade 8 -
Graphing Polygons	Practice Items: Grade 8 - Release Items: Grade 8 -

Coordinate Plane items	Practice Items: Grade 8 U1/13, U2/1, 6 Release Items: Grade 8 -
Student work Anchor Papers	Select 2016 Operational Release Items have student work with scoring. These items may be used as exemplars to showcase how students answered and the score received. They may be found at the end of the release items for each course content assessment. https://prc.parcconline.org/assessments/parcc-released-items

