



## Mathematics Materials Collections

### 2017-2018 Instructionally Embedded Assessment Window

Dynamic Learning Maps® (DLM®) testlets sometimes call for the use of specific materials. Materials are identified in the Testlet Information Page (TIP) for each testlet. Sometimes materials are required and cannot be substituted, but substitutions are allowed in most cases. If materials are to be used in a testlet, the TIP will state the specific materials mentioned in the testlet and describe their attributes so that test administrators can find appropriate substitutions. For more information about substituting materials, see the TEST ADMINISTRATION MANUAL section titled Teacher-Administered Testlets.

The TIP is provided in the Instructional Tools Interface (ITI) in Educator Portal when each testlet is assigned. Since the teacher chooses which Essential Elements and linkage levels to assess during instructionally embedded assessment, the materials needed or recommended to assess each student are unknown before the testlet is assigned. However, the materials used in different testlets often have common traits. This gives teachers the ability to identify some commonly available materials ahead of time that are likely to be useful when administering mathematics testlets. Teachers may collect these materials and use them during instruction. That way, the most useful materials are familiar to the student and available before the teacher begins assigning testlets in ITI.

To give test administrators more opportunities to prepare for the mathematics alternate assessment before the testing window opens, DLM staff have compiled a list of materials commonly needed in mathematics testlets. The tables in this document summarize lists of items per grade level for general testlets and, where appropriate, for students who are blind or have visual impairments. **Again, materials may be substituted unless the TIP specifically states “No substitutions allowed.”**

#### Hints for using this list

- Look at the whole list for each grade level and find materials that can meet multiple purposes. Note the types of materials mentioned more than once.
- Find materials that already exist in the classroom or are easily found somewhere in the building.
- Pick materials that are familiar to the student.
- Remember that in most cases, materials can be substituted as long as they have the same attributes as those on the list. Examples of possible substitutions are found in the table below.
- Materials substitutions are listed for individual testlets on their TIP.

<b>Example Materials Description</b>	<b>Possible Substitution</b>
two sets of identical objects packaged together (packs of crayons, pencils, markers)	two identical packs of flash cards
two objects that are the same size, and one object that is smaller than the other two	two flash cards that are the same size and a smaller playing card

**Contained in This Document**

- Lists by grade of materials commonly used in mathematics testlets that require the use of materials.
- Lists by grade of materials that may be used to administer testlets to students who are blind or have visual impairments. Some mathematics testlets are special forms designed for these students, while other testlets include suggestions for materials to use to make general testlets accessible for students who are blind or have visual impairment. The materials commonly used to make testlets accessible to students who are blind or have visual impairments are included on this list.

Grade 3	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 1 big cup</li> <li>• 1 bowl</li> <li>• 1 large fabric-covered button (button with shank)</li> <li>• 1 large sew-through button (button with holes)</li> <li>• 1 piece of string measuring 3 inches long</li> <li>• 1 piece of string measuring 5 inches long</li> <li>• 1 piece of string measuring 8 inches long</li> <li>• 1 piece of tape</li> <li>• 1 rubber band (or piece of string)</li> <li>• 1 set of 30 cards with printed or braille numbers from 1 to 30</li> <li>• 1 small cup</li> <li>• 1 small sew-through button (button with holes)</li> <li>• 1 sock</li> <li>• 1 yardstick or ruler</li> <li>• 2 boxes</li> <li>• 2 fraction pizzas</li> <li>• 2 identical 10-count boxes of granola bars</li> <li>• 2 identical buttons</li> <li>• 2 identical erasers</li> <li>• 2 identical markers with easily removable lids</li> <li>• 2 identical socks</li> <li>• 2 pens</li> <li>• 4 crayons</li> <li>• 5 acorns</li> <li>• 5 cards</li> <li>• 5 straws</li> <li>• 6 markers</li> <li>• 6 pennies</li> <li>• 7 paper clips</li> </ul>

Grade 3	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 circle</li> <li>• 1 circle divided into fourths</li> <li>• 1 circle divided into halves</li> <li>• 1 circle divided into thirds</li> <li>• 1 circle representing <math>\frac{1}{10}</math></li> <li>• 1 circle representing <math>\frac{1}{2}</math></li> <li>• 1 circle representing <math>\frac{1}{3}</math></li> <li>• 1 circle representing <math>\frac{1}{4}</math></li> <li>• 1 circle representing <math>\frac{2}{3}</math></li> <li>• 1 circle representing <math>\frac{2}{4}</math></li> <li>• 1 circle representing <math>\frac{3}{4}</math></li> <li>• 1 circle representing <math>\frac{4}{4}</math></li> <li>• 1 container with 10 compartments</li> <li>• 1 container with 5 compartments</li> </ul>

Grade 3	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 container with 8 compartments</li> <li>• 1 five-foot object</li> <li>• 1 five-inch object</li> <li>• 1 four-foot object</li> <li>• 1 four-inch object</li> <li>• 1 large rectangle in parts</li> <li>• 1 large square in parts</li> <li>• 1 large triangle</li> <li>• 1 large triangle in parts</li> <li>• 1 medium rectangle</li> <li>• 1 medium square</li> <li>• 1 medium triangle</li> <li>• 1 object with the measurable attribute of height</li> <li>• 1 object with the measurable attribute of length</li> <li>• 1 object with the measurable attribute of weight</li> <li>• 1 rectangle divided into 2 unequal parts</li> <li>• 1 rectangle divided into 3 unequal parts</li> <li>• 1 rectangle divided into 4 unequal parts</li> <li>• 1 rectangle divided into fourths</li> <li>• 1 rectangle divided into halves</li> <li>• 1 rectangle divided into thirds</li> <li>• 1 rectangle representing <math>\frac{1}{10}</math></li> <li>• 1 rectangle representing <math>\frac{1}{2}</math></li> <li>• 1 rectangle representing <math>\frac{1}{3}</math></li> <li>• 1 rectangle representing <math>\frac{1}{4}</math></li> <li>• 1 rectangle representing <math>\frac{2}{3}</math></li> <li>• 1 rectangle representing <math>\frac{3}{4}</math></li> <li>• 1 rectangle representing <math>\frac{7}{8}</math></li> <li>• 1 rectangle representing <math>\frac{9}{10}</math></li> <li>• 1 set of 10 objects</li> <li>• 1 set of 11 objects</li> <li>• 1 set of 13 objects</li> <li>• 1 set of 24 objects</li> <li>• 1 set of 3 objects</li> <li>• 1 set of 30 objects</li> <li>• 1 set of 4 objects</li> <li>• 1 set of 5 objects</li> <li>• 1 set of 6 objects</li> <li>• 1 set of 60 objects</li> <li>• 1 set of 70 objects</li> <li>• 1 set of 9 objects</li> <li>• 1 six-inch object</li> <li>• 1 small rectangle</li> <li>• 1 small square</li> <li>• 1 small triangle</li> <li>• 1 square divided into equal parts</li> </ul>

Grade 3	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 square divided into fourths</li> <li>• 1 square divided into halves</li> <li>• 1 square representing <math>1/1</math></li> <li>• 1 square representing <math>1/2</math></li> <li>• 1 square representing <math>1/4</math></li> <li>• 1 square representing <math>2/2</math></li> <li>• 1 square representing <math>2/3</math></li> <li>• 1 square representing <math>3/4</math></li> <li>• 1 square representing <math>4/4</math></li> <li>• 1 tactile bar graph</li> <li>• 1 tactile digital clock</li> <li>• 1 tactile picture graph</li> <li>• 1 tactile ruler</li> <li>• 1 tactile tape measure</li> <li>• 1 three-foot object</li> <li>• 1 three-inch object</li> <li>• 1 twelve-inch object</li> <li>• 1 two-foot object</li> <li>• 1 two-inch object</li> <li>• 10 circles</li> <li>• 10 paper clips</li> <li>• 10 tens</li> <li>• 12 dimes</li> <li>• 12 straws</li> <li>• 12 tactile digital clocks</li> <li>• 14 triangles</li> <li>• 17 ones</li> <li>• 2 circles divided into unequal parts</li> <li>• 2 large containers</li> <li>• 2 large rectangles</li> <li>• 2 large squares</li> <li>• 2 large triangles</li> <li>• 2 medium rectangles</li> <li>• 2 rectangles divided into unequal parts</li> <li>• 2 sets of 11 objects</li> <li>• 2 squares divided into unequal parts</li> <li>• 3 containers with 4 compartments each</li> <li>• 3 identical objects that measure 4 straws long</li> <li>• 3 identical objects that measure 5 paper clips long</li> <li>• 3 large circles</li> <li>• 3 large squares</li> <li>• 3 large triangles</li> <li>• 3 medium circles</li> <li>• 3 medium squares</li> <li>• 3 medium triangles</li> <li>• 3 pairs of similar objects with 1 short and 1 long object in each set</li> </ul>

Grade 3	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 3 small circles</li> <li>• 3 small squares</li> <li>• 3 small triangles</li> <li>• 3 tactile digital clocks</li> <li>• 3 tactile yardsticks</li> <li>• 36 ones</li> <li>• 4 containers</li> <li>• 4 tactile digital clocks</li> <li>• 4 tens</li> <li>• 5 ones</li> <li>• 6 pairs of identical objects that represent 3 common everyday patterns (i.e., 2 pairs of objects for each pattern)</li> <li>• 6 tens</li> <li>• 7 containers</li> <li>• 7 tens</li> <li>• 77 counting objects</li> <li>• 8 ten-dollar bills</li> <li>• 9 tactile digital clocks</li> </ul>

Grade 4	Common Materials Used to Administer Testlets
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- 1 balance scale
- 1 bowl
- 1 clear 4-cup measuring cup
- 1 crayon
- 1 cup
- 1 drinking glass
- 1 empty peanut butter jar
- 1 eraser
- 1 glove
- 1 half-gallon pitcher
- 1 hard rubber ball
- 1 key ring
- 1 large round button
- 1 number cube
- 1 piece of chalk
- 1 pitcher
- 1 play quarter
- 1 real dime
- 1 real quarter
- 1 rubber band (or piece of string)
- 1 small round button
- 1 small square button
- 1/2 gallon of water
- 10 one-inch wooden cubes
- 2 fraction pizzas
- 2 gloves
- 2 identical 6-count boxes of microwave popcorn
- 2 identical 8-count packs of crayons
- 2 identical blocks
- 2 identical gloves
- 2 identical pieces of paper
- 2 identical soft foam balls
- 2 shoe boxes
- 20 marbles
- 4 chenille stems of different lengths
- 5 keys
- 50 cotton balls
- 6 erasers
- 6 pencils
- 6 stackable cups
- 7 blocks
- 7 cotton swabs
- 9 pencils
- 9 triangle pattern blocks
- food coloring

Grade 4	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 acute angle</li> <li>• 1 addition sign</li> <li>• 1 arc</li> <li>• 1 bar graph</li> <li>• 1 caret symbol</li> <li>• 1 circle divided into 2 unequal parts</li> <li>• 1 circle divided into 2 unequal parts with 1 part missing</li> <li>• 1 circle divided into fourths</li> <li>• 1 circle divided into halves</li> <li>• 1 circle divided into thirds</li> <li>• 1 circle representing <math>\frac{1}{2}</math></li> <li>• 1 circle representing <math>\frac{1}{4}</math></li> <li>• 1 circle representing <math>\frac{2}{2}</math></li> <li>• 1 circle representing <math>\frac{3}{3}</math></li> <li>• 1 circle representing <math>\frac{3}{4}</math></li> <li>• 1 circle representing <math>\frac{4}{4}</math></li> <li>• 1 container with 15 compartments</li> <li>• 1 container with 5 compartments</li> <li>• 1 container with 8 compartments</li> <li>• 1 continuous substance (e.g., liquid, sand)</li> <li>• 1 coordinate grid</li> <li>• 1 dash</li> <li>• 1 dime</li> <li>• 1 eight-cup container</li> <li>• 1 ellipse</li> <li>• 1 equal to sign</li> <li>• 1 four-cup container</li> <li>• 1 full container</li> <li>• 1 greater than sign</li> <li>• 1 half triangle</li> <li>• 1 half-full container</li> <li>• 1 heart divided into 2 unequal parts with 1 part missing</li> <li>• 1 heart divided into 4 unequal parts</li> <li>• 1 heart representing <math>\frac{1}{2}</math></li> <li>• 1 kite</li> <li>• 1 large circle</li> <li>• 1 large square</li> <li>• 1 large square representing <math>\frac{1}{2}</math></li> <li>• 1 large square representing <math>\frac{1}{4}</math></li> <li>• 1 less than sign</li> <li>• 1 line</li> <li>• 1 line segment</li> <li>• 1 medium circle</li> <li>• 1 medium rectangle</li> <li>• 1 medium square</li> </ul>



Grade 4	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 medium triangle</li> <li>• 1 nickel</li> <li>• 1 object with the measurable attribute of height</li> <li>• 1 obtuse angle</li> <li>• 1 one-cup container</li> <li>• 1 one-fourth full container</li> <li>• 1 one-pound object</li> <li>• 1 parallelogram</li> <li>• 1 penny</li> <li>• 1 picture graph</li> <li>• 1 point</li> <li>• 1 quarter</li> <li>• 1 ray</li> <li>• 1 rectangle divided into 2 unequal parts</li> <li>• 1 rectangle divided into fourths</li> <li>• 1 rectangle divided into halves</li> <li>• 1 rectangle divided into tenths</li> <li>• 1 rectangle measuring 2 x 1</li> <li>• 1 rectangle measuring 5 x 3</li> <li>• 1 rectangle measuring 6 x 2</li> <li>• 1 rectangle measuring 6 x 3</li> <li>• 1 rectangle representing <math>1/1</math></li> <li>• 1 rectangle representing <math>1/2</math></li> <li>• 1 rectangle representing <math>1/4</math></li> <li>• 1 rectangle representing <math>2/2</math></li> <li>• 1 rectangle representing <math>2/3</math></li> <li>• 1 rectangle representing <math>2/4</math></li> <li>• 1 rectangle representing <math>3/4</math></li> <li>• 1 rectangle with discernible square units measuring 10 x 5</li> <li>• 1 rectangle with discernible square units measuring 2 x 4</li> <li>• 1 rectangle with discernible square units measuring 3 x 2</li> <li>• 1 rectangle with discernible square units measuring 3 x 3</li> <li>• 1 rectangle with discernible square units measuring 4 x 3</li> <li>• 1 rectangle with discernible square units measuring 5 x 2</li> <li>• 1 rectangle with discernible square units measuring 5 x 3</li> <li>• 1 rectangle with discernible square units measuring 6 x 3</li> <li>• 1 rectangle with discernible square units measuring 6 x 4</li> <li>• 1 rectangle with discernible square units representing <math>1/12</math></li> <li>• 1 rectangle with discernible square units representing <math>12/12</math></li> <li>• 1 rectangle with discernible square units representing <math>6/12</math></li> <li>• 1 right angle</li> <li>• 1 right triangle</li> <li>• 1 set of 10 objects</li> <li>• 1 set of 11 objects</li> <li>• 1 set of 13 objects</li> <li>• 1 set of 15 objects</li> </ul>

Grade 4	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 set of 18 objects</li> <li>• 1 set of 20 objects</li> <li>• 1 set of 24 objects</li> <li>• 1 set of 25 objects</li> <li>• 1 set of 27 objects</li> <li>• 1 set of 28 objects</li> <li>• 1 set of 3 objects</li> <li>• 1 set of 4 objects</li> <li>• 1 set of 43 objects</li> <li>• 1 set of 51 objects</li> <li>• 1 set of 6 assorted coins</li> <li>• 1 set of 7 objects</li> <li>• 1 set of 9 objects</li> <li>• 1 set of non-perpendicular intersecting lines</li> <li>• 1 set of non-touching lines in a downward V-shape</li> <li>• 1 set of parallel line segments</li> <li>• 1 set of parallel lines</li> <li>• 1 set of perpendicular lines</li> <li>• 1 set of perpendicular lines in a T-shape</li> <li>• 1 six-ounce object</li> <li>• 1 small circle</li> <li>• 1 small square</li> <li>• 1 square divided into 2 unequal parts</li> <li>• 1 square divided into 3 unequal parts</li> <li>• 1 square divided into equal parts</li> <li>• 1 square divided into fourths</li> <li>• 1 square divided into halves</li> <li>• 1 square divided into thirds</li> <li>• 1 square measuring 1 x 1</li> <li>• 1 square measuring 2 x 2</li> <li>• 1 square representing <math>\frac{1}{2}</math></li> <li>• 1 square representing <math>\frac{1}{4}</math></li> <li>• 1 square representing <math>\frac{2}{4}</math></li> <li>• 1 square with discernible square units measuring 2 x 2</li> <li>• 1 square with discernible square units measuring 3 x 3</li> <li>• 1 square with the area shaded</li> <li>• 1 square with the border shaded</li> <li>• 1 star divided into parts</li> <li>• 1 tactile bar graph</li> <li>• 1 tactile line graph</li> <li>• 1 tactile material to create groups</li> <li>• 1 tactile picture graph</li> <li>• 1 three-fourths full container</li> <li>• 1 three-pound object</li> <li>• 1 triangle divided into 4 unequal parts</li> <li>• 1 triangle divided into halves</li> </ul>

Grade 4	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 triangle representing <math>1/1</math></li> <li>• 1 triangle representing <math>1/2</math></li> <li>• 1 triangle with the perimeter shaded</li> <li>• 1 twenty-five-ounce object</li> <li>• 1 two-cup container</li> <li>• 1 two-pound object</li> <li>• 1 unit tile</li> <li>• 1 whole heart</li> <li>• 1 whole star</li> <li>• 1 whole triangle</li> <li>• 10 squares</li> <li>• 16 counters</li> <li>• 2 circles divided into 2 unequal parts</li> <li>• 2 circles divided into 4 unequal parts</li> <li>• 2 congruent circles</li> <li>• 2 congruent triangles</li> <li>• 2 half circles</li> <li>• 2 half-full containers</li> <li>• 2 identical acute angles</li> <li>• 2 identical boxes</li> <li>• 2 identical containers</li> <li>• 2 identical rectangles</li> <li>• 2 objects with the measurable attribute of weight</li> <li>• 2 obtuse angles</li> <li>• 2 rectangular objects</li> <li>• 2 sets of 11 objects</li> <li>• 2 sets of 4 identical objects</li> <li>• 2 sets of intersecting line segments (1 of which is perpendicular)</li> <li>• 2 sets of intersecting lines (1 of which is perpendicular)</li> <li>• 2 sets of parallel lines</li> <li>• 2 similar objects (1 heavy and 1 light)</li> <li>• 2 squares divided into 2 unequal parts</li> <li>• 2 squares representing <math>3/4</math></li> <li>• 2 tactile bar graphs</li> <li>• 2 tactile digital clocks</li> <li>• 2 triangles divided to halves</li> <li>• 3 circles divided into fourths</li> <li>• 3 containers</li> <li>• 3 large acute angles</li> <li>• 3 medium acute angles</li> <li>• 3 sets of 6 identical objects</li> <li>• 3 small acute angles</li> <li>• 3 squares divided into fourths</li> <li>• 3 tactile digital clocks</li> <li>• 4 congruent circles</li> <li>• 4 congruent squares</li> </ul>

Grade 4	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"><li>• 4 containers</li><li>• 4 pairs of congruent angles</li><li>• 4 sets of 6 objects</li><li>• 4 tactile analog clocks</li><li>• 4 ten-dollar bills</li><li>• 5 congruent squares</li><li>• 5 congruent triangles</li><li>• 5 dimes</li><li>• 6 sets of 2 objects</li><li>• 6 tactile analog clocks</li><li>• 7 tactile analog clocks</li><li>• 8 blocks (1 of which is light and 1 of which is heavy)</li><li>• 8 circles</li><li>• 9 triangles</li><li>• tactile letters</li><li>• tactile numbers</li></ul>

<b>Grade 5</b>	<b>Common Materials Used to Administer Testlets</b>
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- 1 adult-size shoe with hook and loop fastener straps
- 1 adult-size shoe with laces
- 1 basket
- 1 book
- 1 calculator
- 1 child-size shoe with hook and loop fastener straps
- 1 cup
- 1 empty rectangular container
- 1 eraser
- 1 large empty bottle
- 1 large full bottle
- 1 length of ribbon measuring 14 inches
- 1 length of ribbon measuring 16 inches
- 1 length of ribbon measuring 2 feet
- 1 length of ribbon measuring 3 feet
- 1 length of ribbon measuring 4 feet
- 1 length of ribbon measuring 5 feet
- 1 length of ribbon measuring 6 inches
- 1 length of ribbon measuring 9 inches
- 1 non-retractable tape measure
- 1 rubber band (or piece of string)
- 1 small full bottle
- 1 spoon
- 100 unit cubes
- 2 bent straws varying in length
- 2 bowls
- 2 chenille stems
- 2 empty square containers varying in size
- 2 identical 12-count boxes of chalk
- 2 identical coins
- 2 identical crayons
- 2 identical decks of cards in their boxes
- 2 identical keys
- 2 identical paper clips
- 2 identical tangrams
- 2 jars
- 2 pieces of chalk
- 2 straight straws varying in length
- 3 empty rectangular containers
- 5 books
- 6 books
- 6 erasers
- 7 coins
- 7 cups
- 7 erasers
- 7 number cubes

Grade 5	Common Materials Used to Administer Testlets
<ul style="list-style-type: none"> <li>• 7 spoons</li> <li>• 8 paper clips</li> <li>• 8 straws</li> </ul>	

Grade 5	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
<ul style="list-style-type: none"> <li>• 1 and sign</li> <li>• 1 at sign</li> <li>• 1 balance scale</li> <li>• 1 circle divided into 3 unequal parts</li> <li>• 1 circle divided into fourths</li> <li>• 1 circle divided into halves</li> <li>• 1 circle divided into thirds</li> <li>• 1 circle representing <math>\frac{1}{10}</math></li> <li>• 1 circle representing <math>\frac{1}{2}</math></li> <li>• 1 circle representing <math>\frac{1}{3}</math></li> <li>• 1 circle representing <math>\frac{1}{4}</math></li> <li>• 1 circle representing <math>\frac{1}{8}</math></li> <li>• 1 circle representing <math>\frac{2}{2}</math></li> <li>• 1 circle representing <math>\frac{2}{3}</math></li> <li>• 1 circle representing <math>\frac{2}{4}</math></li> <li>• 1 circle representing <math>\frac{2}{5}</math></li> <li>• 1 circle representing <math>\frac{3}{10}</math></li> <li>• 1 circle representing <math>\frac{3}{3}</math></li> <li>• 1 circle representing <math>\frac{3}{4}</math></li> <li>• 1 circle representing <math>\frac{3}{8}</math></li> <li>• 1 circle representing <math>\frac{4}{10}</math></li> <li>• 1 circle representing <math>\frac{5}{10}</math></li> <li>• 1 circle representing <math>\frac{6}{10}</math></li> <li>• 1 circle representing <math>\frac{6}{8}</math></li> <li>• 1 circle representing <math>\frac{7}{10}</math></li> <li>• 1 circle representing <math>\frac{9}{10}</math></li> <li>• 1 container</li> <li>• 1 container with 8 compartments</li> <li>• 1 container with a volume of 10 unit cubes</li> <li>• 1 container with a volume of 3 unit cubes</li> <li>• 1 container with a volume of 8 unit cubes</li> <li>• 1 continuous substance (e.g., liquid, sand)</li> <li>• 1 dime</li> <li>• 1 dollar bill</li> <li>• 1 dollar sign</li> <li>• 1 equal to sign</li> <li>• 1 exclamation point</li> <li>• 1 greater than sign</li> <li>• 1 large circle</li> <li>• 1 large cylinder</li> </ul>	

Grade 5	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 large rectangle</li> <li>• 1 large rectangular prism</li> <li>• 1 large sphere</li> <li>• 1 large triangle</li> <li>• 1 less than sign</li> <li>• 1 measuring cup</li> <li>• 1 medium circle</li> <li>• 1 medium cone</li> <li>• 1 medium cube</li> <li>• 1 medium cylinder</li> <li>• 1 medium equilateral triangle</li> <li>• 1 medium pentagon</li> <li>• 1 medium rectangle</li> <li>• 1 medium rectangular prism</li> <li>• 1 medium rhombus</li> <li>• 1 medium right triangle</li> <li>• 1 medium sphere</li> <li>• 1 medium square</li> <li>• 1 medium trapezoid</li> <li>• 1 medium triangle</li> <li>• 1 medium triangular prism</li> <li>• 1 nickel</li> <li>• 1 object divided into eighths</li> <li>• 1 object divided into fourths</li> <li>• 1 object divided into halves</li> <li>• 1 object measuring 2 feet long</li> <li>• 1 object measuring 2 inches long</li> <li>• 1 object measuring 3 inches long</li> <li>• 1 object measuring 4 inches long</li> <li>• 1 object measuring 6 feet long</li> <li>• 1 object measuring 6 inches long</li> <li>• 1 object scaled to represent 5 feet</li> <li>• 1 object scaled to represent 6 feet</li> <li>• 1 object weighing 10 ounces</li> <li>• 1 object weighing 20 pounds</li> <li>• 1 object weighing 4 ounces</li> <li>• 1 object weighing 4 pounds</li> <li>• 1 object weighing 5 pounds</li> <li>• 1 object with the measurable attribute diameter</li> <li>• 1 object with the measurable attribute length</li> <li>• 1 object with the measurable attribute weight</li> <li>• 1 object divided into twelfths</li> <li>• 1 paper clip</li> <li>• 1 penny</li> <li>• 1 percent sign</li> <li>• 1 quarter</li> </ul>

Grade 5	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 rectangle divided into 2 unequal parts</li> <li>• 1 rectangle divided into 3 unequal parts</li> <li>• 1 rectangle representing <math>0/2</math></li> <li>• 1 rectangle representing <math>1/10</math></li> <li>• 1 rectangle representing <math>1/2</math></li> <li>• 1 rectangle representing <math>1/4</math></li> <li>• 1 rectangle representing <math>1/6</math></li> <li>• 1 rectangle representing <math>2/2</math></li> <li>• 1 rectangle representing <math>2/4</math></li> <li>• 1 rectangle representing <math>2/6</math></li> <li>• 1 rectangle representing <math>3/4</math></li> <li>• 1 rectangle representing <math>4/4</math></li> <li>• 1 rectangle representing <math>6/10</math></li> <li>• 1 rectangle representing <math>6/8</math></li> <li>• 1 rectangle representing <math>8/10</math></li> <li>• 1 rectangular prism with discernible cubic units measuring <math>2 \times 2 \times 1</math></li> <li>• 1 rectangular prism with discernible cubic units measuring <math>3 \times 1 \times 1</math></li> <li>• 1 rectangular prism with discernible cubic units measuring <math>3 \times 1 \times 3</math></li> <li>• 1 rectangular prism with discernible cubic units measuring <math>3 \times 2 \times 1</math></li> <li>• 1 rectangular prism with discernible cubic units measuring <math>4 \times 1 \times 2</math></li> <li>• 1 ruler</li> <li>• 1 set of 10 objects</li> <li>• 1 set of 11 objects</li> <li>• 1 set of 16 objects</li> <li>• 1 set of 20 objects</li> <li>• 1 set of 25 objects</li> <li>• 1 set of 26 objects</li> <li>• 1 set of 27 objects</li> <li>• 1 set of 3 objects</li> <li>• 1 set of 40 objects</li> <li>• 1 set of 42 objects</li> <li>• 1 set of 50 objects</li> <li>• 1 set of 6 objects</li> <li>• 1 set of 60 objects</li> <li>• 1 set of 9 objects</li> <li>• 1 small circle</li> <li>• 1 small cylinder</li> <li>• 1 small rectangle</li> <li>• 1 small rectangular prism</li> <li>• 1 small sphere</li> <li>• 1 small triangle</li> <li>• 1 square divided into 2 unequal parts</li> <li>• 1 square divided into 3 unequal parts</li> <li>• 1 square divided into halves</li> <li>• 1 square representing <math>1/2</math></li> <li>• 1 square representing <math>1/3</math></li> </ul>



Grade 5	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 square representing <math>\frac{1}{4}</math></li> <li>• 1 square representing <math>\frac{1}{6}</math></li> <li>• 1 square representing <math>\frac{3}{4}</math></li> <li>• 1 tactile bar graph</li> <li>• 1 tactile line plot</li> <li>• 1 tactile material representing 1 inch</li> <li>• 1 tactile material to create groups</li> <li>• 1 tactile number line</li> <li>• 1 tactile number line marked from 0-90 at every 10</li> <li>• 1 tactile picture graph</li> <li>• 1 tactile ruler</li> <li>• 1 tetrahedron</li> <li>• 1 unit cube</li> <li>• 10 unit cubes</li> <li>• 12 containers with 2 compartments</li> <li>• 12 ones</li> <li>• 12 tens</li> <li>• 2 circles divided into 2 unequal parts</li> <li>• 2 congruent cones</li> <li>• 2 congruent cubes</li> <li>• 2 dimes</li> <li>• 2 identical squares</li> <li>• 2 identical triangles</li> <li>• 2 objects weighing 1 ounce</li> <li>• 2 objects weighing 1 pound</li> <li>• 2 objects weighing 4 pounds</li> <li>• 2 objects with the measurable attribute weight</li> <li>• 2 pennies</li> <li>• 2 quarters</li> <li>• 2 sets of 7 objects</li> <li>• 2 squares divided into 2 unequal parts</li> <li>• 2 tactile analog clocks</li> <li>• 2 tactile digital clocks</li> <li>• 2 tactile tables</li> <li>• 3 identical circles</li> <li>• 3 large circles</li> <li>• 3 large squares</li> <li>• 3 medium circles</li> <li>• 3 medium squares</li> <li>• 3 nickels</li> <li>• 3 pennies</li> <li>• 3 sets of 3 objects varying in height</li> <li>• 3 sets of 3 objects varying in weight</li> <li>• 3 small circles</li> <li>• 3 small squares</li> <li>• 3 tactile analog clocks</li> </ul>

Grade 5	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 3 tactile bar graphs</li> <li>• 3 tactile line plots</li> <li>• 3 tactile picture graphs</li> <li>• 3 tactile tables</li> <li>• 30 unit cubes</li> <li>• 4 containers with 4 compartments</li> <li>• 4 tactile bar graphs</li> <li>• 4 tactile digital clocks</li> <li>• 4 tactile picture graphs</li> <li>• 4 triangles</li> <li>• 5 tactile analog clocks</li> <li>• 8 ones</li> <li>• 8 tens</li> <li>• 9 tactile digital clocks</li> <li>• 9 tens</li> <li>• tactile letters</li> <li>• tactile numbers</li> </ul>

Grade 6	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 1 box measuring 3 x 3 x 2</li> <li>• 1 box measuring 5 x 7 x 2</li> <li>• 1 box measuring 5 x 8 x 2</li> <li>• 1 cup</li> <li>• 1 empty rectangular container</li> <li>• 1 empty square container</li> <li>• 1 paper plate divided into 3 unequal pieces</li> <li>• 1 rubber band (or piece of string)</li> <li>• 1 whole paper plate</li> <li>• 100 one-inch unit cubes</li> <li>• 2 bent straws varying in length</li> <li>• 2 beverage containers with lids</li> <li>• 2 big notebooks varying in number of pages</li> <li>• 2 identical 12-count boxes of pencils</li> <li>• 2 identical 16-count boxes of crayons</li> <li>• 2 identical fraction pizzas (at least 4 pieces each)</li> <li>• 2 paper towel rolls</li> <li>• 2 small boxes</li> <li>• 2 small notebooks varying in number of pages</li> <li>• 2 straight straws varying in length</li> <li>• 3 empty rectangular containers of varying sizes</li> <li>• 3 empty square containers of varying sizes</li> <li>• 5 pens</li> <li>• 6 blocks</li> <li>• 6 buttons</li> <li>• 6 coins</li> <li>• 6 plates</li> <li>• 7 craft sticks</li> <li>• 7 markers</li> <li>• 90 one-inch cubes</li> </ul>

Grade 6	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 box measuring 2 x 2 x 1</li> <li>• 1 box measuring 3 x 3 x 1</li> <li>• 1 box measuring 4 x 2 x 1</li> <li>• 1 circle divided into fourths</li> <li>• 1 circle divided into halves</li> <li>• 1 circle divided into sixths</li> <li>• 1 circle divided into thirds</li> <li>• 1 circle representing <math>\frac{1}{10}</math></li> <li>• 1 circle representing <math>\frac{1}{2}</math></li> <li>• 1 circle representing <math>\frac{1}{4}</math></li> <li>• 1 circle representing <math>\frac{1}{8}</math></li> <li>• 1 circle representing <math>\frac{2}{3}</math></li> <li>• 1 circle representing <math>\frac{2}{4}</math></li> </ul>

Grade 6	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 circle representing <math>2/8</math></li> <li>• 1 circle representing <math>3/4</math></li> <li>• 1 container with 5 compartments</li> <li>• 1 continuous substance (e.g., liquid, sand)</li> <li>• 1 rectangle divided into fourths</li> <li>• 1 rectangle measuring <math>2 \times 1/2</math></li> <li>• 1 rectangle representing <math>1/1</math></li> <li>• 1 rectangle representing <math>1/10</math></li> <li>• 1 rectangle representing <math>1/2</math></li> <li>• 1 rectangle representing <math>1/3</math></li> <li>• 1 rectangle representing <math>1/4</math></li> <li>• 1 rectangle representing <math>3/10</math></li> <li>• 1 rectangle representing <math>4/10</math></li> <li>• 1 rectangle representing <math>5/10</math></li> <li>• 1 rectangle representing <math>6/10</math></li> <li>• 1 rectangle representing <math>7/10</math></li> <li>• 1 rectangle representing <math>9/10</math></li> <li>• 1 rectangle with discernible cubic units measuring <math>2 \times 3 \times 1</math></li> <li>• 1 rectangle with discernible cubic units measuring <math>5 \times 1 \times 1</math></li> <li>• 1 rectangle with discernible cubic units measuring <math>5 \times 4 \times 1</math></li> <li>• 1 rectangle with discernible square units measuring <math>3 \times 4</math></li> <li>• 1 rectangle with discernible square units measuring <math>4 \times 4</math></li> <li>• 1 rectangle with discernible square units measuring <math>4 \times 5</math></li> <li>• 1 rectangle with discernible square units measuring <math>5 \times 4</math></li> <li>• 1 rectangle with discernible square units measuring <math>6 \times 4</math></li> <li>• 1 rectangle with discernible square units measuring <math>8 \times 4</math></li> <li>• 1 rectangle with discernible square units measuring <math>9 \times 5</math></li> <li>• 1 rectangle with the perimeter shaded</li> <li>• 1 set of 10 objects</li> <li>• 1 set of 14 objects</li> <li>• 1 set of 15 objects</li> <li>• 1 set of 16 objects</li> <li>• 1 set of 25 objects</li> <li>• 1 set of 27 objects</li> <li>• 1 set of 3 objects</li> <li>• 1 set of 36 objects</li> <li>• 1 set of 4 objects</li> <li>• 1 set of 40 objects</li> <li>• 1 set of 5 objects</li> <li>• 1 set of 6 objects</li> <li>• 1 set of 7 objects</li> <li>• 1 set of 8 objects</li> <li>• 1 square measuring <math>1 \times 1</math></li> <li>• 1 square measuring <math>2 \times 2</math></li> <li>• 1 square representing <math>1/1</math></li> <li>• 1 square representing <math>1/2</math></li> </ul>

Grade 6	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 square with discernible square units measuring 6 x 6</li> <li>• 1 tactile material to create groups</li> <li>• 1 tactile number line</li> <li>• 1 tactile thermometer displaying 2 degrees</li> <li>• 1 tactile thermometer displaying 6 degrees</li> <li>• 1 tactile thermometer displaying negative 4 degrees</li> <li>• 2 circles divided into 2 unequal parts</li> <li>• 2 circles divided into 4 unequal parts</li> <li>• 2 circles divided into 6 unequal parts</li> <li>• 2 containers with 4 compartments</li> <li>• 2 rectangles divided into 4 unequal parts</li> <li>• 2 tactile bar graphs</li> <li>• 2 tactile line plots</li> <li>• 3 tactile bar graphs</li> <li>• 3 tactile line plots</li> <li>• 4 tactile arrows in the shape of a square</li> <li>• 5 tactile bar graphs</li> <li>• 6 containers</li> <li>• 6 tactile line graphs</li> </ul>

Grade 7	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 1 big metal button</li> <li>• 1 big wooden button</li> <li>• 1 large full tissue box</li> <li>• 1 large square</li> <li>• 1 leaf</li> <li>• 1 medium triangle</li> <li>• 1 pen</li> <li>• 1 rubber band (or piece of string)</li> <li>• 1 small empty tissue box</li> <li>• 1 small full tissue box</li> <li>• 1 small metal button</li> <li>• 1 small rectangle</li> <li>• 1 small square</li> <li>• 1 thick book with text</li> <li>• 1 thin book with text</li> <li>• 1 thin picture book</li> <li>• 1 towel</li> <li>• 2 identical 12-count boxes of chalk</li> <li>• 2 identical 7-count (or greater) box sets of action figures or dolls</li> <li>• 2 identical beads</li> <li>• 2 identical books</li> <li>• 2 identical bottle caps</li> <li>• 2 identical decks of cards</li> <li>• 2 identical glue sticks</li> <li>• 2 identical packs of pencils</li> <li>• 2 shirts with sleeves varying in size</li> <li>• 2 sleeveless shirts varying in size</li> <li>• 6 glue sticks</li> <li>• 7 large paper clips</li> <li>• 7 paintbrushes</li> <li>• 7 paper clips</li> <li>• 8 notecards</li> </ul>

Grade 7	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 acute angle</li> <li>• 1 arc</li> <li>• 1 circle representing <math>\frac{1}{3}</math></li> <li>• 1 circle representing <math>\frac{2}{4}</math></li> <li>• 1 circle representing <math>\frac{3}{3}</math></li> <li>• 1 circle representing <math>\frac{3}{4}</math></li> <li>• 1 equal to sign</li> <li>• 1 equilateral triangle with side lengths of 2 units</li> <li>• 1 greater than sign</li> <li>• 1 large cone</li> <li>• 1 large cylinder</li> </ul>

Grade 7	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 large pyramid</li> <li>• 1 large rectangle</li> <li>• 1 large sphere</li> <li>• 1 large square</li> <li>• 1 large triangle</li> <li>• 1 less than sign</li> <li>• 1 line</li> <li>• 1 line segment</li> <li>• 1 medium circle</li> <li>• 1 medium cone</li> <li>• 1 medium cube</li> <li>• 1 medium cylinder</li> <li>• 1 medium equilateral triangle</li> <li>• 1 medium rectangle</li> <li>• 1 medium rhombus</li> <li>• 1 medium scalene triangle</li> <li>• 1 medium sphere</li> <li>• 1 medium square</li> <li>• 1 medium trapezoid</li> <li>• 1 object to avoid hunger</li> <li>• 1 object to stay dry in the rain</li> <li>• 1 object used for being on time</li> <li>• 1 object with the measurable attribute of height</li> <li>• 1 object with the measurable attribute of length</li> <li>• 1 object with the measurable attribute of volume</li> <li>• 1 object with the measurable attribute of weight</li> <li>• 1 obtuse angle</li> <li>• 1 point</li> <li>• 1 ray</li> <li>• 1 rectangle divided into 3 unequal parts</li> <li>• 1 rectangle divided into 4 unequal parts</li> <li>• 1 rectangle divided into fourths</li> <li>• 1 rectangle measuring 5 x 3</li> <li>• 1 rectangle measuring 7 x 3</li> <li>• 1 rectangle with discernible square units measuring 4 x 2</li> <li>• 1 rectangle with discernible square units measuring 4 x 5</li> <li>• 1 rectangle with discernible square units measuring 5 x 2</li> <li>• 1 rectangle with discernible square units measuring 8 x 3</li> <li>• 1 right angle</li> <li>• 1 set of 13 objects</li> <li>• 1 set of 15 objects</li> <li>• 1 set of 19 objects</li> <li>• 1 set of 2 identical objects (1 whole and 1 divided into parts)</li> <li>• 1 set of 2 objects</li> <li>• 1 set of 20 objects</li> <li>• 1 set of 3 objects</li> </ul>

Grade 7	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 set of 36 objects</li> <li>• 1 set of 4 objects</li> <li>• 1 set of 5 objects</li> <li>• 1 set of 6 objects</li> <li>• 1 set of 60 objects</li> <li>• 1 small circle</li> <li>• 1 small cone</li> <li>• 1 small cube</li> <li>• 1 small cylinder</li> <li>• 1 small pyramid</li> <li>• 1 small rectangle</li> <li>• 1 small sphere</li> <li>• 1 small square</li> <li>• 1 small triangle</li> <li>• 1 square measuring 3 x 3</li> <li>• 1 tactile bar graph</li> <li>• 1 tactile football field</li> <li>• 1 tactile line plot</li> <li>• 1 tactile material to create groups</li> <li>• 1 tactile picture graph</li> <li>• 2 circles representing <math>\frac{2}{3}</math></li> <li>• 2 congruent cones</li> <li>• 2 congruent rectangles</li> <li>• 2 congruent triangles</li> <li>• 2 large circles</li> <li>• 2 large squares</li> <li>• 2 large triangles</li> <li>• 2 medium circles</li> <li>• 2 medium spheres</li> <li>• 2 parts of 2 different objects</li> <li>• 2 rectangles</li> <li>• 2 right angles</li> <li>• 2 small congruent right triangles</li> <li>• 2 small squares</li> <li>• 2 triangles</li> <li>• 3 circles representing <math>\frac{1}{4}</math></li> <li>• 3 containers with 10 compartments</li> <li>• 3 containers with 4 compartments</li> <li>• 3 containers with 6 compartments</li> <li>• 3 diamonds</li> <li>• 3 large circles</li> <li>• 3 large congruent squares</li> <li>• 3 large rectangles</li> <li>• 3 question marks</li> <li>• 3 small rectangles</li> <li>• 3 small squares</li> </ul>



Grade 7	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"><li>• 3 small triangles</li><li>• 3 tactile bar graphs</li><li>• 3 tactile coordinate grids</li><li>• 3 triangles</li><li>• 4 sets of 2 objects</li><li>• 6 tactile bar graphs</li><li>• 9 containers</li><li>• tactile letters</li><li>• tactile numbers</li></ul>

Grade 8	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 1 black glossy folder</li> <li>• 1 black matte folder</li> <li>• 1 bottle</li> <li>• 1 clear plastic spoon</li> <li>• 1 closed empty box</li> <li>• 1 glove</li> <li>• 1 metal spoon</li> <li>• 1 open box filled with paper</li> <li>• 1 open empty box</li> <li>• 1 red glossy folder</li> <li>• 1 rubber band (or piece of string)</li> <li>• 1 white plastic spoon</li> <li>• 2 cups</li> <li>• 2 empty tissue boxes varying in size</li> <li>• 2 full tissue boxes varying in size</li> <li>• 2 identical 12-count packs of mechanical pencils</li> <li>• 2 identical bowls</li> <li>• 2 identical folders</li> <li>• 2 identical notebooks</li> <li>• 2 identical pieces of chalk</li> <li>• 2 identical rulers</li> <li>• 2 identical towels</li> <li>• 2 keys</li> <li>• 2 paper bags varying in size</li> <li>• 2 pattern blocks</li> <li>• 2 pieces of rough paper varying in size</li> <li>• 2 pieces of smooth paper varying in size</li> <li>• 2 plastic bags varying in size</li> <li>• 2 thin ribbons varying in length</li> <li>• 2 wide ribbons varying in length</li> <li>• 3 bandages varying in size</li> <li>• 3 books varying in weight</li> <li>• 3 erasers</li> <li>• 3 rulers</li> <li>• 3 straws</li> <li>• 5 rulers</li> <li>• 5 sponges</li> <li>• 6 paper clips</li> <li>• 7 checkers</li> <li>• 8 colored pencils</li> <li>• 8 counters</li> <li>• 8 pieces of paper</li> </ul>

Grade 8	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 angle measuring 120 degrees</li> <li>• 1 angle measuring 20 degrees</li> <li>• 1 angle measuring 60 degrees</li> <li>• 1 angle measuring 80 degrees</li> <li>• 1 arrow</li> <li>• 1 asymmetrical trapezoid</li> <li>• 1 circle representing <math>\frac{2}{4}</math></li> <li>• 1 circle representing <math>\frac{3}{4}</math></li> <li>• 1 circle representing <math>\frac{4}{4}</math></li> <li>• 1 container with 10 compartments</li> <li>• 1 container with 12 compartments</li> <li>• 1 container with 5 compartments</li> <li>• 1 container with 8 compartments</li> <li>• 1 ellipse</li> <li>• 1 equal to sign</li> <li>• 1 greater than sign</li> <li>• 1 half-circle</li> <li>• 1 large circle</li> <li>• 1 large cube</li> <li>• 1 large cylinder</li> <li>• 1 large diamond</li> <li>• 1 large equilateral triangle</li> <li>• 1 large rectangle</li> <li>• 1 large right triangle</li> <li>• 1 large sphere</li> <li>• 1 large square</li> <li>• 1 large trapezoid</li> <li>• 1 large triangle</li> <li>• 1 less than sign</li> <li>• 1 line</li> <li>• 1 medium circle</li> <li>• 1 medium cone</li> <li>• 1 medium cube</li> <li>• 1 medium cylinder</li> <li>• 1 medium equilateral triangle</li> <li>• 1 medium parallelogram</li> <li>• 1 medium rectangle</li> <li>• 1 medium rectangular prism</li> <li>• 1 medium rhombus</li> <li>• 1 medium right triangle</li> <li>• 1 medium square</li> <li>• 1 medium triangle</li> <li>• 1 object that has a measurable attribute of length and width</li> <li>• 1 object that has the measurable attribute volume</li> <li>• 1 pair of complementary angles</li> </ul>

Grade 8	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 rectangle measuring 10 x 8</li> <li>• 1 rectangle measuring 4 x 3</li> <li>• 1 rectangle measuring 5 x 2</li> <li>• 1 rectangle measuring 6 x 9</li> <li>• 1 rectangle measuring 8 x 5</li> <li>• 1 rectangle representing <math>\frac{1}{3}</math></li> <li>• 1 rectangle representing <math>\frac{1}{4}</math></li> <li>• 1 rectangle representing <math>\frac{2}{3}</math></li> <li>• 1 rectangle representing <math>\frac{2}{4}</math></li> <li>• 1 rectangle representing <math>\frac{3}{3}</math></li> <li>• 1 rectangle representing <math>\frac{4}{4}</math></li> <li>• 1 right angle</li> <li>• 1 set of 10 objects</li> <li>• 1 set of 18 objects</li> <li>• 1 set of 20 objects</li> <li>• 1 set of 40 objects</li> <li>• 1 set of 8 objects</li> <li>• 1 small circle</li> <li>• 1 small cone</li> <li>• 1 small cube</li> <li>• 1 small cylinder</li> <li>• 1 small equilateral triangle</li> <li>• 1 small rectangle</li> <li>• 1 small right triangle</li> <li>• 1 small sphere</li> <li>• 1 small square</li> <li>• 1 small trapezoid</li> <li>• 1 small triangle</li> <li>• 1 square measuring 6 x 6</li> <li>• 1 square measuring 9 x 9</li> <li>• 1 tactile bar graph</li> <li>• 1 tactile coordinate grid</li> <li>• 1 tactile line plot</li> <li>• 1 tactile material to create labels</li> <li>• 1 tactile material to indicate groupings</li> <li>• 1 tactile material to indicate length, perimeter, and area</li> <li>• 1 tactile picture graph</li> <li>• 1 tactile tally chart</li> <li>• 2 angles measuring 15 and 30 degrees</li> <li>• 2 angles measuring 20 and 30 degrees</li> <li>• 2 angles measuring 30 and 60 degrees</li> <li>• 2 angles measuring 30 degrees</li> <li>• 2 angles measuring 35 and 55 degrees</li> <li>• 2 angles measuring 40 and 10 degrees</li> <li>• 2 angles measuring 40 and 50 degrees</li> <li>• 2 angles measuring 40 and 70 degrees</li> </ul>

Grade 8	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 2 angles measuring 40 degrees</li> <li>• 2 angles measuring 45 and 90 degrees</li> <li>• 2 angles measuring 45 degrees</li> <li>• 2 angles measuring 50 and 60 degrees</li> <li>• 2 congruent equilateral triangle</li> <li>• 2 congruent right triangles</li> <li>• 2 function graphs</li> <li>• 2 function tables</li> <li>• 2 identical asymmetrical shapes</li> <li>• 2 identical squares</li> <li>• 2 large congruent cones</li> <li>• 2 large congruent equilateral triangles</li> <li>• 2 large congruent rectangles</li> <li>• 2 large congruent rectangular prisms</li> <li>• 2 large congruent right triangles</li> <li>• 2 large congruent squares</li> <li>• 2 medium congruent circles</li> <li>• 2 medium congruent rectangles</li> <li>• 2 medium congruent right triangles</li> <li>• 2 medium congruent triangles</li> <li>• 2 pairs of identical asymmetrical shapes</li> <li>• 2 pairs of supplementary angles</li> <li>• 2 rectangles</li> <li>• 2 small congruent diamonds</li> <li>• 2 small congruent equilateral triangles</li> <li>• 2 small congruent rectangular prisms</li> <li>• 2 small congruent right triangles</li> <li>• 2 small congruent squares</li> <li>• 2 small right triangles</li> <li>• 2 tactile bar graphs</li> <li>• 2 tactile coordinate planes</li> <li>• 2 tactile function graphs</li> <li>• 2 tactile function tables</li> <li>• 2 tactile tally charts</li> <li>• 3 containers with 10 compartments each</li> <li>• 3 large congruent right triangles</li> <li>• 3 small congruent circles</li> <li>• 3 small congruent right triangles</li> <li>• 3 small congruent squares</li> <li>• 3 squares of similar sizes</li> <li>• 3 tactile bar graphs</li> <li>• 3 tactile coordinate grids</li> <li>• 3 tactile function tables</li> <li>• 3 tactile line plots</li> <li>• 3 tactile picture graphs</li> <li>• 3 tactile tally charts</li> </ul>

Grade 8	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"><li>• 3 trapezoids</li><li>• 4 containers</li><li>• 4 tactile bar graphs</li><li>• 4 tactile coordinate grids</li><li>• 4 tactile function tables</li><li>• 6 tactile tables</li><li>• 9 tactile function tables</li><li>• tactile numbers</li></ul>

Grade HS	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 1 book</li> <li>• 1 domino</li> <li>• 1 graphing calculator</li> <li>• 1 large smooth paper</li> <li>• 1 long bent straw</li> <li>• 1 napkin</li> <li>• 1 rubber band (or piece of string)</li> <li>• 1 ruler</li> <li>• 1 short bent straw</li> <li>• 1 short unbent straw</li> <li>• 1 small rough paper</li> <li>• 1 small smooth paper</li> <li>• 10 checkers</li> <li>• 2 books</li> <li>• 2 calculators</li> <li>• 2 cards</li> <li>• 2 cloth hats varying in size</li> <li>• 2 crayons</li> <li>• 2 cups</li> <li>• 2 dry sponges varying in size</li> <li>• 2 erasers</li> <li>• 2 identical 14-count packs of gum</li> <li>• 2 identical 4-function calculators</li> <li>• 2 identical apples</li> <li>• 2 identical bowls</li> <li>• 2 identical checkers</li> <li>• 2 identical cups</li> <li>• 2 identical dominoes</li> <li>• 2 identical glue sticks</li> <li>• 2 identical oranges</li> <li>• 2 identical rulers</li> <li>• 2 large notebooks varying in number of pages</li> <li>• 2 paper cups varying in size</li> <li>• 2 pattern blocks</li> <li>• 2 pencils</li> <li>• 2 plastic cups varying in size</li> <li>• 2 pom poms</li> <li>• 2 rough pieces of paper varying in size</li> <li>• 2 rulers</li> <li>• 2 shirts with buttons varying in size</li> <li>• 2 shirts without buttons varying in size</li> <li>• 2 small notebooks varying in number of pages</li> <li>• 2 smooth pieces of paper varying in size</li> <li>• 2 straw hats varying in size</li> <li>• 2 wet sponges varying in size</li> <li>• 3 bowls varying in size</li> </ul>

Grade HS	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 3 coins</li> <li>• 3 crayons</li> <li>• 3 markers</li> <li>• 3 number cubes</li> <li>• 3 pencils</li> <li>• 3 pencils varying in length</li> <li>• 3 pipe cleaners</li> <li>• 3 pom poms varying in size</li> <li>• 3 rulers</li> <li>• 3 straws varying in size</li> <li>• 3 water bottles ranging from least to most full</li> <li>• 4 blocks varying in size</li> <li>• 5 plates</li> <li>• 6 pencils</li> <li>• 6 playing cards</li> <li>• 7 bandages</li> <li>• 7 buttons</li> <li>• 7 checkers</li> <li>• 7 glue sticks</li> <li>• 7 highlighters</li> <li>• 7 straws</li> <li>• 8 spoons</li> </ul>

Grade HS	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 acute angle</li> <li>• 1 arrow</li> <li>• 1 container</li> <li>• 1 container with 10 compartments</li> <li>• 1 large circle</li> <li>• 1 large cone</li> <li>• 1 large cylinder</li> <li>• 1 large equilateral triangle</li> <li>• 1 large octagon</li> <li>• 1 large rectangle</li> <li>• 1 large sphere</li> <li>• 1 large square</li> <li>• 1 large triangle</li> <li>• 1 line</li> <li>• 1 line segment</li> <li>• 1 medium circle</li> <li>• 1 medium cone</li> <li>• 1 medium cube</li> <li>• 1 medium cylinder</li> <li>• 1 medium equilateral triangle</li> <li>• 1 medium isosceles triangle</li> </ul>



Grade HS	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 medium parallelogram</li> <li>• 1 medium rectangle</li> <li>• 1 medium rectangular prism</li> <li>• 1 medium right triangle</li> <li>• 1 medium scalene triangle</li> <li>• 1 medium sphere</li> <li>• 1 medium square</li> <li>• 1 medium trapezoid</li> <li>• 1 medium triangle</li> <li>• 1 object with the measurable attribute height</li> <li>• 1 obtuse angle</li> <li>• 1 obtuse triangle</li> <li>• 1 point</li> <li>• 1 pyramid</li> <li>• 1 ray</li> <li>• 1 rectangle measuring 4 x 3</li> <li>• 1 rectangle measuring 5 x 10</li> <li>• 1 rectangle measuring 6 x 4</li> <li>• 1 rectangle measuring 6 x 8</li> <li>• 1 rectangle measuring 7 x 3</li> <li>• 1 rectangle with discernible square units measuring 4 x 3</li> <li>• 1 rectangle with discernible square units measuring 4 x 6</li> <li>• 1 rectangle with discernible square units measuring 5 x 4</li> <li>• 1 right angle</li> <li>• 1 set of 15 objects</li> <li>• 1 set of 18 objects</li> <li>• 1 set of 2 objects</li> <li>• 1 set of 24 objects</li> <li>• 1 set of 3 objects</li> <li>• 1 set of 35 objects</li> <li>• 1 set of 5 objects</li> <li>• 1 set of 7 objects</li> <li>• 1 set of 77 objects</li> <li>• 1 set of adjacent angles</li> <li>• 1 set of intersecting (non-perpendicular) lines</li> <li>• 1 set of parallel line segments</li> <li>• 1 set of parallel lines</li> <li>• 1 set of perpendicular line segments</li> <li>• 1 set of perpendicular lines</li> <li>• 1 set of vertical angles</li> <li>• 1 small cone</li> <li>• 1 small cylinder</li> <li>• 1 small equilateral triangle</li> <li>• 1 small isosceles triangle</li> <li>• 1 small octagon</li> <li>• 1 small rectangle</li> </ul>

Grade HS	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 1 small right triangle</li> <li>• 1 small sphere</li> <li>• 1 small square</li> <li>• 1 small triangle</li> <li>• 1 square measuring 8 x 8</li> <li>• 1 square with discernible square units measuring 3 x 3</li> <li>• 1 straight angle</li> <li>• 1 tactile arrow</li> <li>• 1 tactile bar graph</li> <li>• 1 tactile coordinate grid</li> <li>• 1 tactile function graph</li> <li>• 1 tactile function table</li> <li>• 1 tactile line graph</li> <li>• 1 tactile line plot</li> <li>• 1 tactile linear function graph</li> <li>• 1 tactile material for labeling</li> <li>• 1 tactile material to create groups</li> <li>• 1 tactile picture graph</li> <li>• 1 tactile pie chart</li> <li>• 1 tactile point</li> <li>• 1 tactile table</li> <li>• 13 ones</li> <li>• 2 angled line segments in a downward V-shape</li> <li>• 2 angled lines in a downward V-shape</li> <li>• 2 congruent circles</li> <li>• 2 congruent cones</li> <li>• 2 congruent cubes</li> <li>• 2 congruent equilateral triangles</li> <li>• 2 congruent isosceles triangles</li> <li>• 2 congruent pentagons</li> <li>• 2 congruent rectangles</li> <li>• 2 congruent rectangles (1 divided in half to make 2 squares)</li> <li>• 2 congruent rectangular prisms</li> <li>• 2 congruent right triangles</li> <li>• 2 congruent spheres</li> <li>• 2 congruent trapezoids</li> <li>• 2 congruent triangles</li> <li>• 2 cylindrical objects</li> <li>• 2 identical non-symmetrical flat objects</li> <li>• 2 large congruent cones</li> <li>• 2 large congruent cylinders</li> <li>• 2 large congruent equilateral triangles</li> <li>• 2 large congruent isosceles triangles</li> <li>• 2 large congruent rectangles</li> <li>• 2 large congruent right triangles</li> <li>• 2 large congruent triangles</li> </ul>

Grade HS	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
	<ul style="list-style-type: none"> <li>• 2 large rectangles</li> <li>• 2 rectangles</li> <li>• 2 sets of 3 objects</li> <li>• 2 small congruent cylinders</li> <li>• 2 small congruent rectangles</li> <li>• 2 small congruent right triangles</li> <li>• 2 small congruent squares</li> <li>• 2 small rectangles</li> <li>• 2 small squares</li> <li>• 2 small triangles</li> <li>• 2 spherical objects</li> <li>• 2 squares</li> <li>• 2 tactile bar graphs</li> <li>• 2 tactile coordinate planes</li> <li>• 2 tactile function graphs</li> <li>• 2 tactile function tables</li> <li>• 2 tactile linear function graphs</li> <li>• 3 arrows</li> <li>• 3 circles</li> <li>• 3 congruent rectangles</li> <li>• 3 congruent right triangles</li> <li>• 3 containers</li> <li>• 3 diamonds</li> <li>• 3 flat, congruent, asymmetrical shapes</li> <li>• 3 tactile bar graphs</li> <li>• 3 tactile coordinate planes</li> <li>• 3 tactile line graphs</li> <li>• 3 tactile linear function graphs</li> <li>• 3 tactile picture graphs</li> <li>• 3 tactile pie charts</li> <li>• 3 tactile points</li> <li>• 3 tactile spinners</li> <li>• 3 triangles</li> <li>• 4 sets of 5 objects</li> <li>• 4 tactile bar graphs</li> <li>• 4 tactile function graphs</li> <li>• 4 triangles</li> <li>• 5 tactile bar graphs</li> <li>• 5 tens</li> <li>• 6 tactile bar graphs</li> <li>• 6 tactile number lines</li> <li>• 7 tactile function graphs</li> <li>• 9 tactile function graphs</li> <li>• tactile letters</li> <li>• tactile numbers</li> </ul>