



# Mathematics Materials Collections

## 2020-2021 Instructionally Embedded Model

### Fall Window

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

The TIP is provided in the Instruction and Assessment Planner in Kite® Educator Portal when each testlet is assigned. Since the teacher chooses which Essential Elements and linkage levels to assess during instructionally embedded assessments, 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 objects 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 the Instruction and Assessment Planner.

To give test administrators more opportunity to prepare for the mathematics alternate assessment prior to the opening of the assessment window, DLM staff have compiled a list of materials commonly needed in mathematics testlets. The tables in this document summarize lists of materials per grade level for general testlets and, where appropriate, for students who are blind or have visual impairments. **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 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 in the school building.
- Pick materials that are familiar to the student.
- Remember that in most cases materials can be substituted if 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 the corresponding TIP.
- First and foremost, your student’s safety should be the primary concern when choosing materials or substitutions.

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

### Contained in This Document

- Lists by grade of common materials used in mathematics testlets.
- Lists by grade of common 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 students who are blind or have visual impairments, while others are general testlets that have been adapted to make them more accessible.

Grade 3	Common Materials Used to Administer Testlets
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- 1 ball
- 1 big cup
- 1 eight-inch ribbon
- 1 eight-inch string
- 1 five-inch string
- 1 four-foot ribbon
- 1 large cube
- 1 large fabric-covered button
- 1 large plate
- 1 large sew-through button
- 1 long pencil
- 1 long, thin crayon
- 1 rubber band
- 1 short pencil
- 1 short, thick crayon
- 1 six-inch ribbon
- 1 small cube
- 1 small cup
- 1 small plate
- 1 small sew-through button
- 1 tape measure
- 1 three-inch string
- 1 two-foot ribbon
- 2 bowls
- 2 fraction pizzas
- 2 identical 8-count boxes of crayons
- 2 identical 8-count packs of paint brushes
- 2 identical blocks
- 2 identical buttons
- 2 identical cups
- 2 identical markers with easily removable lids
- 2 pens
- 3 number cubes
- 4 paper clips
- 5 pencils
- 6 keys
- 6 rulers
- 7 straws
- 9 buttons
- Cards with printed or braille numbers from 1 to 30

Grade 3	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
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- 1 circle divided into fourths parts
- 1 circle divided into thirds
- 1 circle representing  $1/10$
- 1 circle representing  $1/2$
- 1 circle representing  $1/3$
- 1 circle representing  $1/4$
- 1 circle representing  $2/3$
- 1 circle representing  $2/4$
- 1 circle representing  $3/4$
- 1 circle representing  $4/4$
- 1 congruent rectangle divided into halves
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 five-foot object
- 1 five-inch object
- 1 four-and-a-half-inch object
- 1 large rectangle divided into parts
- 1 large square divided into parts
- 1 large triangle divided into parts
- 1 object measuring 6 informal units long
- 1 one-inch object
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 equal rows
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 4 equal columns
- 1 rectangle divided into 4 unequal parts
- 1 rectangle representing  $1/10$
- 1 rectangle representing  $1/2$
- 1 rectangle representing  $1/3$
- 1 rectangle representing  $1/4$
- 1 set of 17 objects to serve as informal units of measurement
- 1 set of 24 identical objects
- 1 six-inch object
- 1 small rectangle
- 1 square divided into fourths
- 1 square representing  $1/2$
- 1 square representing  $1/4$
- 1 square representing  $2/2$
- 1 square representing  $2/3$
- 1 square representing  $3/4$
- 1 square representing  $4/4$
- 1 tactile bar graph
- 1 tactile material to create groupings
- 1 tactile picture graph
- 1 tactile ruler
- 1 tactile tape measure

<b>Grade 3</b>	<b>Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments</b>
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- 1 tactile yardstick
- 1 three-foot object
- 1 three-inch object
- 1 twelve-inch object
- 1 twenty-four-inch object
- 1 two-inch object
- 10 circles
- 10 paper clips
- 10 tens
- 12 dimes
- 12 straws
- 12 tactile digital clocks
- 14 triangles
- 2 circles divided into unequal parts
- 2 congruent circles divided into halves
- 2 four-inch objects
- 2 large congruent rectangles
- 2 large congruent squares
- 2 large congruent triangles
- 2 large containers
- 2 sets of identical objects (11 Set A objects and 11 Set B objects)
- 2 squares divided into unequal parts
- 3 containers with 4 compartments each
- 3 identical objects that measure 4 straws long
- 3 identical objects that measure 5 paper clips long
- 3 large circles
- 3 large squares
- 3 large triangles
- 3 medium circles
- 3 medium squares
- 3 medium triangles
- 3 objects to serve as informal units of measurement which vary in size
- 3 pairs of similar objects with 1 short and 1 long object in each set
- 3 Set C objects
- 3 small circles
- 3 small squares
- 3 small triangles
- 31 Set A objects
- 36 ones
- 6 pairs of identical objects that represent 3 common everyday patterns (i.e., 2 pairs of objects for each pattern)
- 7 containers
- 70 small objects
- 77 objects
- 8 ten-dollar bills

Grade 4	Common Materials Used to Administer Testlets
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- 1 balance scale
- 1 bowl
- 1 clear 4-cup measuring cup with the number of cups clearly marked
- 1 half-gallon pitcher
- 1 key ring
- 1 large paper cup
- 1 large plastic cup
- 1 large round button
- 1 long pencil
- 1 number cube
- 1 paper plate
- 1 piece of chalk
- 1 piece of sandpaper
- 1 play quarter
- 1 real dime
- 1 real quarter
- 1 rubber band (or piece of string)
- 1 short pencil
- 1 small plastic cup
- 1 small round button
- 1 small square button
- 2 identical 12-count boxes of crayons
- 2 identical 6-count boxes of microwave popcorn
- 2 identical 8-count packs of crayons
- 2 identical blocks
- 2 identical fraction pizzas
- 2 identical gloves
- 2 identical notebooks
- 2 identical pens
- 2 identical pieces of brown construction paper
- 2 identical pieces of paper
- 2 identical puzzles
- 2 shoe boxes
- 20 marbles
- 4 chenille stems varying in length
- 5 keys
- 50 cotton balls
- 6 erasers
- 6 stackable cups
- 7 blocks
- 7 cotton swabs
- 8 dominoes
- 9 pencils
- 9 triangle pattern blocks
- food coloring
- water to fill the pitcher

Grade 4	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
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- 1 arc
- 1 circle divided into 2 unequal parts
- 1 circle divided into fourths
- 1 circle divided into thirds
- 1 circle representing  $\frac{1}{2}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{2}{2}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{3}{10}$
- 1 circle representing  $\frac{3}{3}$
- 1 circle representing  $\frac{3}{4}$
- 1 circle representing  $\frac{4}{4}$
- 1 container with 15 compartments
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 continuous substance
- 1 coordinate grid
- 1 eight-cup container
- 1 ellipse
- 1 greater than sign
- 1 heart divided into 2 unequal parts with 1 part missing
- 1 heart divided into 4 unequal parts with 3 parts shaded
- 1 heart representing  $\frac{1}{2}$
- 1 large circle
- 1 large circle divided into halves
- 1 less than sign
- 1 line
- 1 line segment
- 1 long rectangle
- 1 long rectangle divided into fourths
- 1 nickel
- 1 penny
- 1 quarter
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into halves
- 1 rectangle divided into three unequal parts
- 1 rectangle measuring 12 x 6
- 1 rectangle measuring 5 x 8
- 1 rectangle measuring 6 x 4
- 1 rectangle measuring 9 x 7
- 1 rectangle representing  $\frac{1}{10}$
- 1 rectangle representing  $\frac{1}{12}$
- 1 rectangle representing  $\frac{1}{2}$
- 1 rectangle representing  $\frac{1}{3}$
- 1 rectangle representing  $\frac{1}{4}$
- 1 rectangle representing  $\frac{12}{12}$

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 rectangle representing <math>2/10</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>3/10</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>4/6</math></li> <li>• 1 rectangle representing <math>5/6</math></li> <li>• 1 rectangle representing <math>6/12</math></li> <li>• 1 rectangle representing <math>6/6</math></li> <li>• 1 rectangle with discernible square units measuring <math>3 \times 2</math></li> <li>• 1 rectangle with discernible square units measuring <math>3 \times 3</math></li> <li>• 1 rectangle with discernible square units measuring <math>3 \times 5</math></li> <li>• 1 rectangle with discernible square units measuring <math>4 \times 3</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 2</math></li> <li>• 1 rectangle with discernible square units measuring <math>6 \times 2</math></li> <li>• 1 rectangle with discernible square units measuring <math>6 \times 3</math></li> <li>• 1 right angle</li> <li>• 1 set of 6 assorted coins</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 perpendicular lines in a T-shape</li> <li>• 1 short rectangle</li> <li>• 1 six-ounce object</li> <li>• 1 square divided 4 unequal parts</li> <li>• 1 square divided into halves</li> <li>• 1 square divided into thirds</li> <li>• 1 square representing <math>1/2</math></li> <li>• 1 square representing <math>1/4</math></li> <li>• 1 square representing <math>3/4</math></li> <li>• 1 square representing <math>4/4</math></li> <li>• 1 star divided into parts</li> <li>• 1 tactile equals sign</li> <li>• 1 tactile line graph</li> <li>• 1 tactile material to create groups</li> <li>• 1 tactile material to create labels</li> <li>• 1 tactile minus sign</li> <li>• 1 tactile multiplication sign</li> <li>• 1 tactile picture graph</li> <li>• 1 tactile point</li> <li>• 1 trapezoid</li> <li>• 1 triangle divided into 4 unequal parts with 3 parts shaded</li> <li>• 1 triangle divided into halves</li> <li>• 1 triangle representing <math>1/1</math></li> </ul>

Grade 4	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
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- 1 triangle representing  $1/2$
- 1 triangle representing  $2/2$
- 1 triangle with the perimeter shaded
- 1 two-cup container
- 1 two-pound object
- 1 whole heart
- 1 whole star
- 1 wide rectangle
- 2 circles divided into unequal parts
- 2 circles representing tenths
- 2 congruent triangles
- 2 heavy objects
- 2 identical acute angles
- 2 identical boxes
- 2 identical rectangles
- 2 light objects
- 2 obtuse angles
- 2 ray
- 2 rectangular-shaped objects
- 2 sets of identical objects (25 Set A objects and 7 Set B objects)
- 2 sets of intersecting line segments (1 of which is perpendicular)
- 2 sets of parallel lines
- 2 small congruent circles
- 2 squares divided into unequal parts
- 2 tactile bar graphs
- 3 large acute angles
- 3 medium acute angles
- 3 sets of identical objects (15 Set A objects, 13 Set B objects, and 7 Set C objects)
- 3 small acute angles
- 3 tactile digital clocks
- 4 sets of 6 or more similar objects (Set A, Set B, Set C, and Set D)
- 4 sets of identical objects (6 Set A objects, 6 Set B objects, 6 Set C objects, and 4 Set D objects)
- 4 ten-dollar bills
- 5 congruent squares
- 5 dimes
- 6 sets of 2 or more identical objects (Set A objects, Set B objects, Set C objects, Set D objects, Set E objects, and Set F objects)
- 6 tactile analog clocks
- 8 blocks
- tactile letters and numbers

Grade 5	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 1 basket</li> <li>• 1 calculator</li> <li>• 1 empty box with flaps</li> <li>• 1 five-foot ribbon</li> <li>• 1 five-inch string</li> <li>• 1 large empty bottle</li> <li>• 1 large full bottle</li> <li>• 1 nine-inch ribbon</li> <li>• 1 non-retractable tape measure with feet and inches clearly marked</li> <li>• 1 one-foot string</li> <li>• 1 pair of socks</li> <li>• 1 ruler</li> <li>• 1 sixteen-inch ribbon</li> <li>• 1 small full bottle</li> <li>• 1 spoon</li> <li>• 1 three-foot ribbon</li> <li>• 1 three-foot string</li> <li>• 1 three-inch string</li> <li>• 1 yardstick</li> <li>• 2 bent straws varying in length</li> <li>• 2 chenille stems</li> <li>• 2 empty square containers of varying sizes</li> <li>• 2 identical 12-count boxes of chalk</li> <li>• 2 identical crayons</li> <li>• 2 identical decks of cards in their boxes</li> <li>• 2 identical erasers</li> <li>• 2 identical keys</li> <li>• 2 identical paper clips</li> <li>• 2 identical pattern blocks</li> <li>• 2 identical pencils</li> <li>• 2 identical pieces of paper</li> <li>• 2 jars</li> <li>• 2 straight straws varying in length</li> <li>• 3 empty rectangular containers varying in size</li> <li>• 4 connecting cubes</li> <li>• 5 crayons</li> <li>• 50 unit cubes</li> <li>• 6 books</li> <li>• 6 counters</li> <li>• 7 cups</li> <li>• 7 erasers</li> <li>• 7 pennies</li> <li>• shoe box with a lid filled with heavy objects</li> </ul>

Grade 5	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
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- 1 balance scale
- 1 circle divided into 3 unequal parts
- 1 circle divided into fourths
- 1 circle divided into halves
- 1 circle divided into thirds
- 1 circle divided into two unequal parts
- 1 circle representing  $\frac{1}{2}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{3}{4}$
- 1 container with 8 compartments
- 1 container with a volume of 10 unit cubes
- 1 container with a volume of 3 unit cubes
- 1 container with a volume of 8 unit cubes
- 1 equal to sign
- 1 equilateral triangle
- 1 equilateral triangle divided into 2 unequal parts
- 1 equilateral triangle divided into 3 unequal parts
- 1 equilateral triangle divided into halves
- 1 greater than sign
- 1 large rectangle
- 1 large sphere
- 1 less than sign
- 1 measuring cup
- 1 medium cone
- 1 medium rectangle
- 1 medium rectangular prism
- 1 medium sphere
- 1 nickel
- 1 object with a length of about 6 feet
- 1 object with a length of about 6 inches
- 1 object with a weight of about 2 pounds
- 1 object with a weight of about 4 ounces
- 1 one-dollar bill
- 1 paper clip
- 1 pentagon
- 1 quarter
- 1 rectangle divided into eighths
- 1 rectangle divided into fourths
- 1 rectangle divided into twelfths
- 1 rectangle representing  $\frac{0}{2}$
- 1 rectangle representing  $\frac{1}{2}$
- 1 rectangle representing  $\frac{1}{4}$
- 1 rectangle representing  $\frac{1}{6}$
- 1 rectangle representing  $\frac{2}{2}$
- 1 rectangle representing  $\frac{2}{4}$
- 1 rectangle representing  $\frac{3}{4}$

Grade 5	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
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- 1 rectangle representing  $\frac{4}{4}$
- 1 rectangular prism with discernible cubic units measuring  $2 \times 2 \times 1$
- 1 rectangular prism with discernible cubic units measuring  $3 \times 1 \times 1$
- 1 rectangular prism with discernible cubic units measuring  $3 \times 2 \times 1$
- 1 rhombus
- 1 right triangle
- 1 set of 10 identical objects
- 1 small cone
- 1 small cube
- 1 small rectangle
- 1 small rectangular prism
- 1 small sphere
- 1 small triangle
- 1 square divided into halves
- 1 square representing  $\frac{1}{2}$
- 1 square representing  $\frac{1}{4}$
- 1 square representing  $\frac{3}{4}$
- 1 tactile material to create groups
- 1 tactile number line
- 1 tactile ruler
- 1 tetrahedron
- 1 trapezoid
- 1 triangular prism
- 12 circles representing  $\frac{1}{2}$ ,  $\frac{2}{2}$ ,  $\frac{1}{3}$ ,  $\frac{2}{3}$ ,  $\frac{3}{3}$ ,  $\frac{3}{4}$ ,  $\frac{3}{10}$ ,  $\frac{4}{10}$ ,  $\frac{5}{10}$ ,  $\frac{6}{10}$ ,  $\frac{7}{10}$ , and  $\frac{9}{10}$
- 12 containers with 2 compartments each
- 18 tens
- 2 dimes
- 2 identical squares
- 2 identical triangles
- 2 large triangles
- 2 medium congruent cubes
- 2 medium congruent cylinders
- 2 medium congruent spheres
- 2 pennies
- 2 squares divided into 2 unequal parts
- 3 rectangles representing  $\frac{1}{4}$ ,  $\frac{2}{6}$ , and  $\frac{1}{10}$
- 3 identical circles
- 3 large circles
- 3 large squares
- 3 medium circles
- 3 medium squares
- 3 rectangles representing  $\frac{6}{10}$ ,  $\frac{8}{10}$ , and  $\frac{6}{8}$
- 3 small circles
- 3 small squares
- 3 squares representing  $\frac{1}{2}$ ,  $\frac{1}{3}$ , and  $\frac{1}{6}$
- 3 tactile line plots

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 tables</li><li>• 34 ones</li><li>• 4 containers with 4 compartments each</li><li>• 4 tactile bar graphs</li><li>• 4 tactile digital clocks</li><li>• 4 tactile picture graphs</li><li>• 42 objects</li><li>• 5 tactile analog clocks</li><li>• 50 unit cubes</li><li>• 6 circles representing <math>\frac{1}{3}</math>, <math>\frac{2}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{8}</math>, <math>\frac{1}{10}</math>, and <math>\frac{3}{10}</math></li><li>• 6 circles representing <math>\frac{1}{3}</math>, <math>\frac{2}{3}</math>, <math>\frac{3}{3}</math>, <math>\frac{2}{5}</math>, <math>\frac{4}{10}</math>, and <math>\frac{7}{10}</math></li><li>• tactile numbers and letters</li><li>• tactile symbols</li></ul>	

Grade 6	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 1 rectangular prism container measuring 3 x 3 x 2</li> <li>• 1 rectangular prism container measuring 5 x 7 x 2</li> <li>• 1 rectangular prism container measuring 5 x 8 x 2</li> <li>• 1 empty square container</li> <li>• 1 paper plate cut into 3 pieces</li> <li>• 1 rubber band</li> <li>• 12 connecting cubes</li> <li>• 2 bent straws varying in size</li> <li>• 2 beverage containers with lids</li> <li>• 2 big notebooks varying in number of pages</li> <li>• 2 hard cover books</li> <li>• 2 identical 12-count boxes of pencils</li> <li>• 2 identical 6-count packs of highlighters</li> <li>• 2 identical fraction pizzas (at least 4 pieces each)</li> <li>• 2 index cards</li> <li>• 2 paper plates</li> <li>• 2 paper towel rolls</li> <li>• 2 plastic cups</li> <li>• 2 small boxes</li> <li>• 2 small notebooks varying in number of pages</li> <li>• 2 soft cover books</li> <li>• 2 straight straws varying in size</li> <li>• 3 blocks that vary in size</li> <li>• 3 pencils that vary in length</li> <li>• 5 pens</li> <li>• 6 blocks</li> <li>• 6 buttons</li> <li>• 6 coins</li> <li>• 6 plates</li> <li>• 7 colored pencils</li> <li>• 7 craft sticks</li> <li>• 7 markers</li> <li>• 7 number cubes</li> <li>• more than enough unit cubes to fill the largest container</li> </ul>

<b>Grade 6</b>	<b>Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments</b>
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- 1 circle divided into 2 unequal parts
- 1 circle divided into 3 unequal parts
- 1 circle divided into fourths
- 1 circle divided into halves
- 1 circle divided into sixths
- 1 circle divided into thirds
- 1 circle representing  $\frac{2}{3}$
- 1 container with 5 compartments
- 1 continuous substance
- 1 cube
- 1 half-shaded rectangle
- 1 half-shaded square
- 1 hexagon
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into fourths
- 1 rectangle divided into thirds
- 1 rectangle measuring  $\frac{1}{2} \times 2$
- 1 rectangle with discernible square units measuring  $3 \times 4$
- 1 rectangle with discernible square units measuring  $4 \times 5$
- 1 rectangle with discernible square units measuring  $4 \times 6$
- 1 rectangle with discernible square units measuring  $5 \times 9$
- 1 rectangle with discernible square units measuring  $8 \times 4$
- 1 rectangle with its border shaded
- 1 rectangular prism with discernible cubic units measuring  $2 \times 2 \times 1$
- 1 rectangular prism with discernible cubic units measuring  $2 \times 4 \times 1$
- 1 rectangular prism with discernible cubic units measuring  $3 \times 3 \times 1$
- 1 shaded rectangle
- 1 shaded square
- 1 square divided into 2 unequal parts
- 1 square divided into 4 unequal parts
- 1 square divided into halves
- 1 square measuring  $1 \times 1$
- 1 square measuring  $2 \times 2$
- 1 square with arrows around the borders
- 1 square with discernible square units measuring  $4 \times 4$
- 1 square with discernible square units measuring  $6 \times 6$
- 1 tactile grid
- 1 tactile material to create groups
- 1 tactile number line
- $\frac{1}{10}$  of a circle
- 15 Set A objects
- 2 circles divided into 4 unequal parts
- 2 circles divided into 6 unequal parts
- 2 containers with 4 compartments each
- 2 rectangles representing  $\frac{4}{10}$  and  $\frac{1}{10}$

Grade 6	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
<ul style="list-style-type: none"><li>• 2 rectangles divided into 4 unequal parts</li><li>• 2 tactile bar graphs</li><li>• 3 circles representing <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math>, and <math>\frac{1}{4}</math></li><li>• 3 tactile line plots</li><li>• 3 tactile thermometers</li><li>• 36 objects</li><li>• 4 circles representing <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{8}</math>, and <math>\frac{1}{10}</math></li><li>• 4 sets of objects (5 Set A objects, 3 Set B objects, 6 Set C objects, and 4 Set D objects)</li><li>• 40 identical objects</li><li>• 5 Set B objects</li><li>• 6 identical containers</li><li>• 6 tactile line graphs</li></ul>	

Grade 7	Common Materials Used to Administer Testlets
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- 1 big metal button
- 1 big wooden button
- 1 calculator
- 1 eraser
- 1 large ceramic plate
- 1 large full tissue box
- 1 large paper plate
- 1 number cube
- 1 pen
- 1 small ceramic plate
- 1 small empty tissue box
- 1 small full tissue box
- 1 small metal button
- 1 small paper plate
- 1 thick book with text
- 1 thin book with text
- 1 thin picture book
- 2 identical 12-count boxes of chalk
- 2 identical 8-count boxes of markers
- 2 identical books
- 2 identical decks of cards
- 2 identical gloves
- 2 identical glue sticks
- 2 identical packs of pencils
- 2 identical rulers
- 2 identical socks
- 2 large circles
- 2 shirts with sleeves varying in size
- 2 sleeveless shirts varying in size
- 2 small circles
- 3 pencils that vary in size
- 3 strings that vary in length
- 6 glue sticks
- 6 interlocking blocks
- 7 paintbrushes
- 7 paper clips

Grade 7	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
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- 1 acute angle
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{3}{3}$
- 1 circle representing  $\frac{3}{4}$
- 1 equal to sign
- 1 greater than sign
- 1 heart
- 1 hexagon
- 1 large cone
- 1 large cylinder
- 1 large equilateral triangle
- 1 large oval
- 1 large pyramid
- 1 large rectangular prism
- 1 large sphere
- 1 less than sign
- 1 line
- 1 medium triangle
- 1 object that a person could use to avoid being hungry
- 1 object that a person could use to be on time
- 1 object that a person could use to stay dry in the rain
- 1 object with the measurable attribute of weight
- 1 obtuse angle
- 1 octagon
- 1 pentagon
- 1 point
- 1 ray
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 4 equal parts
- 1 rectangle measuring 3 x 4
- 1 rectangle with discernible square units measuring 2 x 6
- 1 rectangle with discernible square units measuring 5 x 2
- 1 rectangle with discernible square units measuring 8 x 3
- 1 rectangle without discernible square units measuring 5 x 3
- 1 rectangle without discernible square units measuring 7 x 3
- 1 rhombus
- 1 right triangle
- 1 small circle
- 1 small cone
- 1 small cube
- 1 small equilateral triangle
- 1 small oval
- 1 small rectangular prism
- 1 small similar cylinder
- 1 small similar pyramid

<b>Grade 7</b>	<b>Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments</b>
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- 1 small sphere
- 1 square with discernible square units measuring 3 x 3
- 1 tactile football field
- 1 tactile line plot
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 trapezoid
- 1 triangular prism
- 1/2 of a circle
- 12 Set A objects
- 15 Set B objects
- 2 circles representing 2/3
- 2 congruent circles
- 2 congruent cones
- 2 congruent cylinders
- 2 congruent equilateral triangles
- 2 congruent isosceles triangles
- 2 congruent rectangles
- 2 large cubes
- 2 large triangles
- 2 medium circles
- 2 medium spheres
- 2 rectangles divided into 4 unequal parts
- 2 right angles
- 3 circles representing 1/4
- 3 containers with 10 compartments each
- 3 containers with 4 compartments each
- 3 containers with 6 compartments each
- 3 large circles
- 3 large congruent squares
- 3 large rectangles
- 3 sets of objects (1 whole Set A object, 2 parts from another Set A object, 1 whole Set B object, 1 part from another Set B object, 1 whole Set C object, and 1 part from another Set C object)
- 3 small rectangles
- 3 small squares
- 3 small triangles
- 3 tactile bar graphs
- 3 tactile coordinate grids
- 4 sets of identical objects (2 Set A objects, 2 Set B objects, 2 Set C objects, and 2 Set D objects)
- 5 number cubes
- 60 identical objects
- 9 containers

Grade 8	Common Materials Used to Administer Testlets
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- 1 bottle
- 1 closed empty box
- 1 glove
- 1 large empty box
- 1 long pen with a cap
- 1 open box filled with paper
- 1 open empty box
- 1 rubber band (or piece of string)
- 1 short pen with a cap
- 1 short pen without a cap
- 1 small box filled with pencils
- 1 small empty box
- 2 empty cups
- 2 full cups
- 2 identical 12-count packs of mechanical pencils
- 2 identical balls
- 2 identical bowls
- 2 identical calculators
- 2 identical crayons
- 2 identical folders
- 2 identical notebooks
- 2 identical pieces of chalk
- 2 identical towels
- 2 keys
- 2 paper bags varying in size
- 2 pattern blocks
- 2 pieces of rough paper varying in size
- 2 pieces of smooth paper varying in size
- 2 plastic bags varying in size
- 2 thin ribbons varying in size
- 2 wide ribbons varying in size
- 3 bandages that vary in size
- 3 plates that vary in size
- 3 straws
- 5 rulers
- 6 erasers
- 6 highlighters
- 6 paper clips
- 7 checkers
- 8 cards
- 8 colored pencils
- enough counters to fill 2 cups

<b>Grade 8</b>	<b>Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments</b>
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- 1 arrow
- 1 circle divided into 2 unequal parts with 1 part shaded
- 1 circle divided into 4 unequal parts with 1 part shaded
- 1 circle representing  $1/1$
- 1 circle representing  $1/2$
- 1 circle representing  $1/3$
- 1 circle representing  $1/4$
- 1 circle representing  $1/8$
- 1 circle representing  $2/4$
- 1 circle representing  $3/4$
- 1 circle representing  $4/4$
- 1 circle representing  $4/8$
- 1 circle representing  $8/8$
- 1 cone
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 curved line
- 1 equal to sign
- 1 greater than sign
- 1 large circle
- 1 large cube
- 1 large equilateral triangle
- 1 large hexagon
- 1 large non-similar rectangle
- 1 large similar rhombus
- 1 large sphere
- 1 less than sign
- 1 line
- 1 line segment
- 1 long cylinder
- 1 medium circle
- 1 medium equilateral triangle
- 1 medium square
- 1 octagon
- 1 parallelogram
- 1 pentagon
- 1 pyramid
- 1 ray
- 1 rectangle measuring  $10 \times 8$
- 1 rectangle measuring  $4 \times 3$
- 1 rectangle measuring  $5 \times 2$
- 1 rectangle measuring  $6 \times 9$
- 1 rectangle measuring  $8 \times 5$
- 1 rectangle that shows area
- 1 rectangle that shows length
- 1 small cube

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 small cylinder</li> <li>• 1 small hexagon</li> <li>• 1 small similar rectangle</li> <li>• 1 small sphere</li> <li>• 1 square measuring 6 x 6</li> <li>• 1 square measuring 9 x 9</li> <li>• 1 square representing <math>\frac{1}{4}</math></li> <li>• 1 square that shows perimeter</li> <li>• 1 tactile letter A</li> <li>• 1 tactile letter B</li> <li>• 1 tactile material to create groups</li> <li>• 1 tactile material to create labels</li> <li>• 1 thin rectangular prism</li> <li>• 1 trapezoid</li> <li>• 1 triangular prism</li> <li>• <math>\frac{1}{2}</math> of a congruent circle</li> <li>• <math>\frac{1}{2}</math> of a congruent square</li> <li>• <math>\frac{1}{2}</math> of a congruent triangle</li> <li>• 10 identical objects</li> <li>• 2 congruent hearts</li> <li>• 2 congruent isosceles triangles</li> <li>• 2 large congruent cylinders</li> <li>• 2 large congruent rectangles</li> <li>• 2 large congruent rectangular prisms</li> <li>• 2 large congruent squares</li> <li>• 2 medium right triangles</li> <li>• 2 obtuse angles</li> <li>• 2 pairs of congruent asymmetrical shapes</li> <li>• 2 right angles</li> <li>• 2 similar cylinders</li> <li>• 2 similar right triangles</li> <li>• 2 small congruent equilateral triangles</li> <li>• 2 small congruent rectangular prisms</li> <li>• 2 small congruent rhombuses</li> <li>• 2 small congruent right triangles</li> <li>• 2 tactile graphs</li> <li>• 3 containers with 10 compartments each</li> <li>• 3 different acute angles (approximately 20 degrees, 60 degrees, and 80 degrees)</li> <li>• 3 large congruent right triangles</li> <li>• 3 pairs of complementary angles (40/50 degrees, 35/55 degrees, and 30/60 degrees)</li> <li>• 3 pairs of identical acute angles (approximately 30 degrees, 40 degrees, and 45 degrees)</li> <li>• 3 small congruent circles</li> <li>• 3 small congruent squares</li> <li>• 3 tactile coordinate grids</li> <li>• 3 tactile function tables</li> <li>• 3 tactile line plots</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 tactile picture graphs</li><li>• 3 tactile tally charts</li><li>• 4 tactile bar graphs</li><li>• 4 tactile coordinate planes</li><li>• 41 objects</li><li>• 5 parts identical to the whole objects</li><li>• 6 pairs of adjacent angles (40/10 degrees, 40/70 degrees, 20/30 degrees, 50/60 degrees, 45/90 degrees, and 15/30 degrees)</li><li>• 6 tactile tables</li></ul>	

Grade HS	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 1 dollar</li> <li>• 1 graphing calculator</li> <li>• 1 key chain</li> <li>• 1 large cloth hat</li> <li>• 1 large paper cup</li> <li>• 1 large plastic cup</li> <li>• 1 large shirt with buttons</li> <li>• 1 large shirt without buttons</li> <li>• 1 large straw</li> <li>• 1 large straw hat</li> <li>• 1 long bent straw</li> <li>• 1 medium straw</li> <li>• 1 napkin</li> <li>• 1 rubber band (or piece of string)</li> <li>• 1 short bent straw</li> <li>• 1 short unbent straw</li> <li>• 1 small cloth hat</li> <li>• 1 small paper cup</li> <li>• 1 small plastic cup</li> <li>• 1 small shirt with buttons</li> <li>• 1 small shirt without buttons</li> <li>• 1 small straw hat</li> <li>• 1 yardstick</li> <li>• 10 checkers</li> <li>• 2 closed boxes</li> <li>• 2 dry sponges varying in size</li> <li>• 2 erasers</li> <li>• 2 identical 12-count boxes of colored pencils</li> <li>• 2 identical 14-count packs of gum</li> <li>• 2 identical apples</li> <li>• 2 identical blocks</li> <li>• 2 identical books</li> <li>• 2 identical bowls</li> <li>• 2 identical checkers</li> <li>• 2 identical cups</li> <li>• 2 identical dominoes</li> <li>• 2 identical four-function calculators</li> <li>• 2 identical glue sticks</li> <li>• 2 identical oranges</li> <li>• 2 identical rulers</li> <li>• 2 long rulers</li> <li>• 2 open boxes</li> <li>• 2 pattern blocks</li> <li>• 2 pom-poms</li> <li>• 2 rough pieces of paper varying in size</li> <li>• 2 short rulers</li> <li>• 2 smooth pieces of paper varying in size</li> </ul>

Grade HS	Common Materials Used to Administer Testlets
	<ul style="list-style-type: none"> <li>• 2 wet sponges varying in size</li> <li>• 3 bowls varying in size</li> <li>• 3 clothespins</li> <li>• 3 coins</li> <li>• 3 crayons</li> <li>• 3 markers</li> <li>• 3 number cubes</li> <li>• 3 pencils that vary in length</li> <li>• 3 pieces of paper that vary in size</li> <li>• 3 pipe cleaners</li> <li>• 3 water bottles varying in fullness</li> <li>• 5 plates</li> <li>• 6 folders</li> <li>• 6 playing cards</li> <li>• 7 bandages</li> <li>• 7 buttons</li> <li>• 7 cotton balls</li> <li>• 7 glue sticks</li> <li>• 7 highlighters</li> <li>• 7 keys</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 container with 10 compartments</li> <li>• 1 large octagon</li> <li>• 1 medium rectangle</li> <li>• 1 number cube</li> <li>• 1 object with the measurable attribute height</li> <li>• 1 obtuse angle</li> <li>• 1 point</li> <li>• 1 ray</li> <li>• 1 rectangle that measures 5 x 10</li> <li>• 1 rectangle with discernible unit squares measuring 5 x 4</li> <li>• 1 rectangle with discernible unit squares that measuring 4 x 3</li> <li>• 1 right angle</li> <li>• 1 set of intersecting line segments</li> <li>• 1 set of intersecting 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 small cone</li> <li>• 1 small equilateral triangle</li> <li>• 1 small octagon</li> <li>• 1 square that measures 8 x 8</li> <li>• 1 straight angle</li> <li>• 1 tactile coordinate grid</li> <li>• 1 tactile line of reflection</li> <li>• 1 tactile line plot</li> <li>• 1 tactile material for labeling</li> <li>• 1 tactile material to create groups</li> <li>• 1 tactile set of adjacent angles</li> <li>• 1 tactile set of vertical angles</li> <li>• 1 tactile spinner</li> <li>• 13 ones</li> <li>• 15 connecting cubes</li> <li>• 2 congruent cylinders</li> <li>• 2 congruent rectangles (1 divided in half to make 2 squares)</li> <li>• 2 congruent trapezoids</li> <li>• 2 cubes</li> <li>• 2 cubic objects</li> <li>• 2 cylindrical objects</li> <li>• 2 dimes</li> <li>• 2 identical large triangles</li> <li>• 2 identical rectangular prisms</li> <li>• 2 large congruent cones</li> <li>• 2 large congruent equilateral triangles</li> <li>• 2 large congruent squares</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 nickels</li> <li>• 2 pennies</li> <li>• 2 quarters</li> <li>• 2 similar cylinders</li> <li>• 2 small rectangles</li> <li>• 2 small squares</li> <li>• 2 small triangles</li> <li>• 2 spheres</li> <li>• 2 spherical objects</li> <li>• 2 tactile function tables</li> <li>• 3 congruent circles</li> <li>• 3 congruent diamonds</li> <li>• 3 congruent right triangles</li> <li>• 3 congruent tactile arrows</li> <li>• 3 flat, congruent, asymmetrical shapes</li> <li>• 3 identical rectangles</li> <li>• 3 tactile coordinate planes</li> <li>• 3 tactile picture graphs</li> <li>• 3 tactile pie charts</li> <li>• 4 playing cards</li> <li>• 4 sets of 5 identical objects</li> <li>• 4 tactile line graphs</li> <li>• 6 line segments</li> <li>• 6 tactile bar graphs</li> <li>• 6 tactile number lines</li> <li>• 7 tactile linear function graphs</li> <li>• 77 objects</li> <li>• 8 tens</li> <li>• 9 tactile function graphs</li> <li>• tactile numbers and letters</li> </ul>