Mathematics Materials Collections
2023–2024 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 Prepare to Administer a Testlet and Teacher-Administered Testlets.

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 opportunities 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 Table 1.
- Material 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.

Table 1

Example Mathematic Substitution Materials

Example Materials Description	Possible Substitution
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.
12 object As.	12 congruent triangles.

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.

Common Materials Used to Administer Testlets for Grade 3

- 1 ball
- 1 eight-inch string
- 1 five-inch string
- 1 large closed box
- 1 large cup
- 1 long pencil
- 1 rubber band (or piece of string)
- 1 short pencil
- 1 small closed box
- 1 small cup
- 1 small open box
- 1 three-inch string
- 1 yardstick or ruler with inches clearly marked
- 2 clear cups
- 2 fraction pizzas
- 2 identical 10-count packs of markers
- 2 identical 8-count boxes of crayons
- 2 identical blocks
- 2 identical buttons
- 2 identical cups
- 2 identical markers with easily removable lids
- 2 pens
- 3 blocks
- 3 erasers
- 30 small cubes
- 5 cards
- 5 glue sticks
- 6 craft sticks
- 6 keys
- 6 rulers
- 7 pencils
- 7 straws
- 9 buttons
- Cards with printed or braille numbers from 1 to 30

Common Materials Used to Administer Testlets for Grade 3 Students Who Are Blind or Have Visual Impairments

- 1 circle divided into fourths
- 1 circle divided into thirds
- 1 circle divided into thirds with 1 part missing
- 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 container with 5 compartments
- 1 container with 8 compartments
- 1 continuous substance
- 1 five-foot object
- 1 five-inch object
- 1 four-inch object
- 1 hexagon
- 1 hundred
- 1 large rectangle divided into parts
- 1 large square divided into parts
- 1 large triangle divided into parts
- 1 long object
- 1 medium acute isosceles triangle
- 1 medium circle
- 1 medium rhombus
- 1 medium right isosceles triangle
- 1 medium right scalene triangle
- 1 medium trapezoid
- 1 object with the measurable attribute of height
- 1 object with the measurable attribute of length
- 1 object with the measurable attribute of weight
- 1 oval
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 equal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 4 equal parts
- 1 rectangle divided into 4 unequal parts
- 1 rectangle divided into 6 unequal parts
- 1 rectangle divided into 8 equal parts
- 1 rectangle divided into halves
- 1 rectangle representing 1/10

- 1 rectangle representing 1/2
- 1 rectangle representing 1/3
- 1 rectangle representing 1/4
- 1 set of 24 identical objects
- 1 short object
- 1 small rectangle
- 1 square divided into fourths
- 1 square divided into halves
- 1 square representing 1/1
- 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 star
- 1 tactile bar graph
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 tactile ruler
- 1 tactile tape measure
- 1 thousand
- 1 three-foot object
- 1 three-inch object
- 1 triangle divided into halves
- 1 two-inch object
- 10 circles
- 10 paper clips
- 12 straws
- 12 tactile digital clocks
- 12 ten-dollar bills
- 13 tens
- 14 triangles
- 19 dimes
- 2 circles divided into unequal parts
- 2 congruent circles divided into halves
- 2 congruent medium rectangles
- 2 large congruent rectangles
- 2 large congruent squares
- 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 congruent equilateral triangles
- 3 large squares
- 3 medium congruent equilateral triangles
- 3 medium squares
- 3 small congruent equilateral triangles
- 3 small squares
- 36 ones
- 4 identical containers
- 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

Common Materials Used to Administer Testlets for Grade 4

- 1 balance scale
- 1 big plate
- 1 clear 4-cup measuring cup with the number of cups clearly marked
- 1 folder
- 1 glue stick
- 1 half-gallon pitcher
- 1 key ring
- 1 large box
- 1 long sharpened pencil
- 1 long string
- 1 long unsharpened pencil
- 1 marker
- 1 medium box
- 1 notebook
- 1 number cube
- 1 piece of chalk
- 1 piece of sandpaper
- 1 rubber band (or piece of string)
- 1 short sharpened pencil
- 1 short string
- 1 small box
- 1 small empty cup
- 1 small plate
- 1 thick book
- 1 thin book
- 2 highlighters
- 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 pieces of brown construction paper
- 2 identical puzzles
- 2 large cups
- 2 shoe boxes
- 2 short pencils
- 3 chenille stems that vary in length
- 3 craft sticks that vary in length
- 5 keys
- 6 craft sticks
- 6 erasers
- 6 pencils

- 6 pom-poms
- 6 stackable cups
- 7 blocks
- 7 cotton swabs
- 8 dominoes
- connecting cubes to measure volume
- dominoes to measure mass
- enough counters to fill 1 large cup
- food coloring
- water to fill the pitcher

Common Materials Used to Administer Testlets for Grade 4 Students Who Are Blind or Have Visual Impairments

- 1 arc
- 1 circle divided into 2 unequal parts
- 1 circle divided into 2 unequal parts with 1 part missing
- 1 circle divided into 3 unequal parts
- 1 circle divided into fourths
- 1 circle divided into thirds
- 1 circle representing 1/2
- 1 circle representing 1/4
- 1 circle representing 2/2
- 1 circle representing 2/4
- 1 circle representing 3/10
- 1 circle representing 3/3
- 1 circle representing 3/4
- 1 circle representing 4/4
- 1 container about 2 times the size of the small container
- 1 container about 20 times the size of the small container
- 1 continuous substance
- 1 coordinate grid
- 1 eight-cup container
- 1 ellipse
- 1 equal to sign
- 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 divided into parts
- 1 heart representing 1/2
- 1 hexagon divided into halves
- 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 multiplication sign
- 1 nickel
- 1 object about 2 times the size of the small object
- 1 object about 4 times the size of the small object
- 1 object with a weight less than 5 cube weights
- 1 object with a weight more than 3 cube weights
- 1 object with the measurable attribute of height

- 1 dollar bill
- 1 parallelogram
- 1 penny
- 1 pentagon
- 1 pentagon divided into 2 unequal parts
- 1 pentagon divided into 3 unequal parts
- 1 pentagon divided into halves
- 1 point
- 1 quarter
- 1 ray
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into halves
- 1 rectangle divided into thirds
- 1 rectangle representing 1/10
- 1 rectangle representing 1/12
- 1 rectangle representing 12/12
- 1 rectangle representing 2/10
- 1 rectangle representing 3/10
- 1 rectangle representing 3/4
- 1 rectangle representing 6/12
- 1 rectangle with discernible square units measuring 3 × 2
- 1 rectangle with discernible square units measuring 5 × 3
- 1 rectangle with discernible square units measuring 6 × 2
- 1 rectangle with discernible square units measuring 6 × 3
- 1 rhombus divided into halves
- 1 set of 10 different objects (objects A–J)
- 1 set of 3 identical acute angles
- 1 set of 32 objects
- 1 set of non-touching lines in a downward V-shape
- 1 set of parallel line segments
- 1 short rectangle
- 1 small container
- 1 square divided 4 unequal parts
- 1 square divided into fourths
- 1 square divided into halves
- 1 square divided into thirds
- 1 square representing 1/2
- 1 square representing 1/4
- 1 square representing 3/4
- 1 square representing 4/4
- 1 star divided into parts
- 1 subtraction sign

- 1 tactile line graph
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 triangle
- 1 triangle divided into 4 unequal parts with 3 parts shaded
- 1 triangle divided into halves
- 1 triangle representing 1/2
- 1 triangle representing 2/2
- 1 two-cup container
- 1 two-pound object
- 1 whole heart
- 1 whole hexagon
- 1 whole rhombus
- 1 whole square
- 1 whole star
- 1 wide rectangle
- 10 object Cs
- 14 cube weights
- 2 circles divided into unequal parts
- 2 circles representing tenths
- 2 hexagons divided into 2 unequal parts
- 2 identical rectangles
- 2 obtuse angles
- 2 rectangular-shaped objects
- 2 right angles
- 2 sets of identical objects (11 Set A objects and 11 Set B objects)
- 2 sets of identical objects (25 Set A objects and seven Set B objects)
- 2 sets of intersecting line segments (one of which is perpendicular)
- 2 sets of intersecting lines (one of which is perpendicular)
- 2 sets of parallel lines
- 2 small congruent circles
- 2 squares divided into 2 unequal parts
- 2 tactile bar graphs
- 3 balance scales
- 3 identical objects with a weight equal to 5 cube weights
- 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 dimes
- 6 identical containers
- 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 small identical objects
- 6 tactile analog clocks
- tactile letters

Common Materials Used to Administer Testlets for Grade 5

- 1 basket
- 1 bent chenille stem
- 1 calculator
- 1 empty box with flaps
- 1 empty shoe box with a lid
- 1 five-foot ribbon
- 1 large cube
- 1 long sharpened pencil
- 1 long unsharpened pencil
- 1 nine-inch ribbon
- 1 nonretractable tape measure with feet and inches clearly marked
- 1 pair of socks
- 1 rubber band (or piece of string)
- 1 ruler
- 1 short sharpened pencil
- 1 sixteen-inch ribbon
- 1 small cube
- 1 spoon
- 1 straight chenille stem
- 1 three-foot ribbon
- 2 identical 12-count boxes of chalk
- 2 identical crayons
- 2 identical decks of cards in their boxes
- 2 identical erasers
- 2 identical pencils
- 2 identical pieces of paper
- 2 jars
- 2 large blocks
- 2 short pencils
- 2 small blocks
- 3 blocks that vary in size
- 3 craft sticks that vary in length
- 3 empty rectangular containers varying in size
- 3 pom-poms that vary in size
- 3 strings that vary in length
- 4 connecting cubes
- 5 crayons
- 50 unit cubes
- 6 books
- 6 chenille stems
- 6 counters
- 6 number cubes

- 7 cups
- 7 erasers
- 7 pennies
- shoe box with a lid filled with heavy objects

Common Materials Used to Administer Testlets for Grade 5 Students Who Are Blind or Have Visual Impairments

- 1 circle divided into 3 unequal parts
- 1 circle divided into fourths
- 1 circle divided into halves
- 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 1/8
- 1 circle representing 2/2
- 1 circle representing 2/3
- 1 circle representing 3/10
- 1 circle representing 3/3
- 1 circle representing 3/4
- 1 circle representing 4/10
- 1 circle representing 5/10
- 1 circle representing 6/10
- 1 circle representing 7/10
- 1 circle representing 9/10
- 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 one-dollar bill
- 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 cone
- 1 large cube
- 1 large rectangle
- 1 large sphere
- 1 less than sign
- 1 measuring cup
- 1 medium cone
- 1 medium cube
- 1 medium cylinder
- 1 medium pyramid
- 1 medium rectangle
- 1 medium rectangular prism

- 1 medium sphere
- 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 4 ounces
- 1 pentagon
- 1 rectangle divided into eighths
- 1 rectangle divided into fourths
- 1 rectangle divided into halves
- 1 rectangle divided into sixths
- 1 rectangle divided into tenths
- 1 rectangle divided into thirds
- 1 rectangle divided into twelfths
- 1 rectangle representing 1/10
- 1 rectangle representing 1/2
- 1 rectangle representing 1/4
- 1 rectangle representing 1/6
- 1 rectangle representing 2/4
- 1 rectangle representing 2/6
- 1 rectangle representing 3/4
- 1 rectangle representing 4/4
- 1 rectangular prism with discernible cubic units measuring 2 × 2 × 1
- 1 rectangular prism with discernible cubic units measuring 3 × 1 × 1
- 1 rectangular prism with discernible cubic units measuring 3 × 2 × 1
- 1 rhombus
- 1 right triangle
- 1 small rectangle
- 1 small sphere
- 1 small triangle
- 1 square divided into halves
- 1 square representing 1/2
- 1 square representing 1/3
- 1 square representing 1/4
- 1 square representing 1/6
- 1 square representing 3/4
- 1 tactile line graph
- 1 tactile material to create groups
- 1 tactile number line
- 1 tetrahedron
- 1 trapezoid
- 12 containers with 2 compartments each
- 12 ones
- 18 object Bs
- 2 circles divided into 2 unequal parts

- 2 congruent cylinders
- 2 congruent rectangular prisms
- 2 congruent triangular prisms
- 2 dimes
- 2 identical squares
- 2 identical triangles
- 2 large triangles
- 2 quarters
- 2 squares divided into 2 unequal parts
- 2 subtraction signs
- 3 equals signs
- 3 identical circles
- 3 identical heavy-weight objects
- 3 identical light-weight objects
- 3 identical long object As
- 3 identical medium length object As
- 3 identical medium-weight objects
- 3 identical short object As
- 3 large circles
- 3 large squares
- 3 medium circles
- 3 medium squares
- 3 nickels
- 3 pennies
- 3 sets of objects (9 Set A objects, 11 Set B objects, and 10 Set C objects)
- 3 small circles
- 3 small squares
- 3 tactile line plots
- 3 tactile picture graphs
- 3 tactile tables
- 4 addition signs
- 4 containers with 4 compartments each
- 4 tactile bar graphs
- 4 tactile digital clocks
- 4 various triangles
- 42 object As
- 5 tactile analog clocks
- 50 unit cubes
- 6 objects that are not forms of money
- 9 tens
- tactile numbers

Common Materials Used to Administer Testlets for Grade 6

- 1 craft stick in parts
- 1 crayon in parts
- 1 cup
- 1 index card in parts
- 1 paper plate in parts
- 1 rectangular prism container measuring 3 × 3 × 2
- 1 rectangular prism container measuring 5 × 7 × 2
- 1 rectangular prism container measuring 5 × 8 × 2
- 1 rubber band (or piece of string)
- 1 whole crayon
- 1 whole index card
- 1 whole paper plate
- 10 connecting cubes
- 2 bent straws varying in size
- 2 beverage containers with lids
- 2 big notebooks varying in number of pages
- 2 identical 12-count boxes of pencils
- 2 identical 6-count packs of highlighters
- 2 paper towel rolls
- 2 small boxes
- 2 small notebooks varying in number of pages
- 2 straight straws varying in size
- 5 pens
- 6 blocks
- 6 buttons
- 6 coins
- 6 plates
- 7 craft sticks
- 7 markers
- 7 number cubes
- more than enough unit cubes to fill the largest container

Common Materials Used to Administer Testlets for Grade 6 Students Who Are Blind or Have Visual Impairments

- 1 circle divided into fourths
- 1 circle divided into halves
- 1 circle divided into sixths
- 1 circle divided into thirds
- 1 circle representing 1/10
- 1 circle representing 1/2
- 1 circle representing 1/4
- 1 circle representing 2/4
- 1 circle representing 2/8
- 1 circle representing 3/4
- 1 container with 5 compartments
- 1 continuous substance
- 1 cube
- 1 half-shaded rectangle
- 1 half-shaded square
- 1 hexagon
- 1 large square
- 1 rectangle divided into fourths
- 1 rectangle measuring 1/2 × 2
- 1 rectangle measuring 3 × 2
- 1 rectangle measuring 6 × 4
- 1 rectangle representing 1/2
- 1 rectangle with discernable area
- 1 rectangle with discernable perimeter
- 1 rectangle with discernable square units measuring 3 × 5
- 1 rectangle with discernable square units measuring 3 × 6
- 1 rectangle with discernable square units measuring 4 × 3
- 1 rectangle with discernable square units measuring 4 × 5
- 1 rectangle with discernible square units measuring 2 × 6
- 1 rectangle with discernible square units measuring 4 × 7
- 1 rectangle with its border shaded
- 1 rectangular prism with discernible cubic units measuring 2 × 2 × 1
- 1 rectangular prism with discernible cubic units measuring 2 × 4 × 1
- 1 rectangular prism with discernible cubic units measuring 3 × 3 × 1
- 1 shaded rectangle
- 1 shaded square
- 1 small square
- 1 square measuring 1 × 1
- 1 square measuring 2 × 2
- 1 square measuring 3 × 3
- 1 square with arrows around the borders

- 1 square with discernable square units measuring 4 × 4
- 1 square with discernable square units measuring 5 × 5
- 1 square with discernible square units measuring 3 × 3
- 1 square with discernible square units measuring 6 × 6
- 1 tactile material to create groups
- 1 tactile number line
- 1 tactile picture graph
- 10 identical objects
- 18 object As
- 2 circles divided into 4 unequal parts
- 2 circles divided into 6 unequal parts
- 2 containers with 4 compartments each
- 2 rectangles divided into 4 unequal parts
- 3 tactile bar graphs
- 3 tactile line plots
- 36 objects
- 4 sets of objects (5 Set A objects, 3 Set B objects, 6 Set C objects, and 4 Set D objects)
- 6 identical containers
- 6 tactile line graphs

Common Materials Used to Administer Testlets for Grade 7

- 1 calculator
- 1 crumpled piece of paper
- 1 hard plastic ruler
- 1 large ceramic plate
- 1 large circular block
- 1 large container
- 1 large full tissue box
- 1 large paper plate
- 1 large square block
- 1 long pencil
- 1 rubber band (or piece of string)
- 1 short pencil
- 1 small ceramic plate
- 1 small empty tissue box
- 1 small full tissue box
- 1 small paper plate
- 1 small square block
- 1 smooth piece of paper
- 1 soft cotton ball
- 1 thick book with text
- 1 thin book with text
- 1 thin picture book
- 15 playing cards
- 2 dry sponges
- 2 identical 12-count boxes of chalk
- 2 identical 8-count boxes of markers
- 2 identical decks of cards
- 2 identical gloves
- 2 identical packs of pencils
- 2 identical rulers
- 2 identical socks
- 2 large cups
- 2 small cups
- 2 wet sponges
- 3 pencils that vary in length
- 5 erasers
- 5 pens
- 6 glue sticks
- 6 interlocking blocks
- 6 pencils
- 7 paintbrushes
- 7 paper clips

Common Materials Used to Administer Testlets for Grade 7 Students Who Are Blind or Have Visual Impairments

- 1 acute angle
- 1 circle representing 1/3
- 1 circle representing 1/6
- 1 circle representing 2/4
- 1 circle representing 2/6
- 1 circle representing 3/3
- 1 circle representing 3/4
- 1 circle representing 3/6
- 1 circle representing 5/6
- 1 circle representing 6/6
- 1 ellipse
- 1 equal to sign
- 1 greater than sign
- 1 heart
- 1 hexagon
- 1 large cylinder
- 1 large equilateral triangle
- 1 large pyramid
- 1 large sphere
- 1 less than sign
- 1 line
- 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 measurable attributes of height and weight
- 1 object with the measurable attributes of height and length
- 1 obtuse angle
- 1 point
- 1 ray
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 4 unequal parts
- 1 rectangle divided into fourths
- 1 rectangle representing 10/10
- 1 rectangle representing 2/10
- 1 rectangle representing 2/8
- 1 rectangle representing 3/10
- 1 rectangle representing 4/8
- 1 rectangle representing 5/10
- 1 rectangle representing 7/10
- 1 rectangle representing 8/8
- 1 rectangle with discernible square units measuring 5 × 2

- 1 rectangle with discernible square units measuring 8 × 3
- 1 rectangle without discernible square units measuring 5 × 3
- 1 rectangle without discernible square units measuring 7 × 3
- 1 rhombus
- 1 small circle
- 1 small cube
- 1 small equilateral triangle
- 1 small similar cylinder
- 1 small similar pyramid
- 1 tactile addition sign
- 1 tactile coordinate grid
- 1 tactile football field
- 1 tactile line plot
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 tactile subtraction sign
- 1 trapezoid
- 1 triangular prism
- 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 congruent rectangular prisms
- 2 large triangles
- 2 medium circles
- 2 medium spheres
- 2 rectangles representing 6/8
- 2 right angles
- 2 sets of objects (3 Set A objects and 15 Set B objects)
- 2 sets of objects (6 Set A objects and 4 Set B objects)
- 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
- 4 sets of identical objects (2 Set A objects, 2 Set B objects, 2 Set C objects, and 2 Set D objects)
- 40 object As
- 4 number cubes
- 60 identical objects
- 9 containers

Common Materials Used to Administer Testlets for Grade 8

- 1 closed empty box
- 1 glove
- 1 large circular block
- 1 large piece of paper
- 1 large rectangular block
- 1 large round plate
- 1 long pencil
- 1 long string
- 1 open box filled with paper
- 1 open empty box
- 1 rubber band (or piece of string)
- 1 short pencil
- 1 short plastic bottle
- 1 short string
- 1 small piece of paper
- 1 small rectangular block
- 1 small round plate
- 1 small square plate
- 1 tall plastic bottle
- 2 dry sponges
- 2 identical 12-count packs of mechanical pencils
- 2 identical bowls
- 2 identical counters
- 2 identical folders
- 2 identical notebooks
- 2 identical pattern blocks
- 2 identical towels
- 2 identical unit cubes
- 2 large containers
- 2 pieces of rough paper varying in size
- 2 pieces of smooth paper varying in size
- 2 small containers
- 2 thin ribbons varying in size
- 2 wet sponges
- 2 wide ribbons varying in size
- 3 erasers
- 3 pencils that vary in length
- 3 pieces of paper that vary in size
- 3 ribbons that vary in length
- 3 straws
- 5 rulers
- 6 highlighters

- 6 paper clips
- 7 checkers
- 8 cards
- 8 colored pencils
- 8 counters

Common Materials Used to Administer Testlets for Grade 8 Students Who Are Blind or Have Visual Impairments

- 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 2/4
- 1 circle representing 3/4
- 1 circle representing 4/4
- 1 cone
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 curved line
- 1 different cylinder
- 1 equal to sign
- 1 greater than sign
- 1 large circle
- 1 large cube
- 1 large equilateral triangle
- 1 large non-similar rectangle
- 1 large similar rhombus
- 1 large sphere
- 1 less than sign
- 1 line segment
- 1 medium circle
- 1 medium equilateral triangle
- 1 medium square
- 1 object that has the measurable attribute volume
- 1 object with the measurable attribute of height
- 1 object with the measurable attribute of volume
- 1 oval
- 1 part of an identical object A
- 1 part of an identical object B
- 1 part of an identical object C
- 1 part of an identical object D
- 1 part of an identical object E
- 1 pentagon
- 1 rectangle measuring 10 × 8
- 1 rectangle measuring 4 × 2
- 1 rectangle measuring 4 × 3

- 1 rectangle measuring 5 × 10
- 1 rectangle measuring 5 × 2
- 1 rectangle measuring 5 × 3
- 1 rectangle measuring 6 × 9
- 1 rectangle measuring 8 × 5
- 1 rectangle that shows area
- 1 rectangle that shows length
- 1 rectangular prism measuring 4 × 3 × 5
- 1 rectangular prism measuring 5 × 2 × 2
- 1 small cube
- 1 small similar rectangle
- 1 small similar right triangle
- 1 small sphere
- 1 square measuring 6 × 6
- 1 square measuring 9 × 9
- 1 square that shows perimeter
- 1 tactile function graph
- 1 tactile letter A
- 1 tactile letter B
- 1 tactile material to create groups
- 1 tactile material to create labels
- 1 trapezoid
- 1 whole object B
- 1 whole object C
- 1 whole object D
- 1 whole object E
- 10 identical objects
- 2 large congruent rectangles
- 2 large congruent rectangular prisms
- 2 large congruent squares
- 2 lines
- 2 medium right triangles
- 2 obtuse angles
- 2 pairs of congruent asymmetrical shapes
- 2 right angles
- 2 similar cylinders
- 2 small congruent equilateral triangles
- 2 small congruent rectangular prisms
- 2 small congruent rhombi
- 2 small congruent right triangles
- 3 containers with 10 compartments each
- 3 different acute angles (approximately 20 degrees, 60 degrees, and 80 degrees)
- 3 large congruent right triangles

- 3 pairs of complementary angles (40/50 degrees, 35/55 degrees, and 30/60 degrees)
- 3 pairs of identical acute angles (approximately 30 degrees, 40 degrees, and 45 degrees)
- 3 small congruent circles
- 3 small congruent squares
- 3 tactile coordinate grids
- 3 tactile function tables
- 3 tactile line plots
- 3 tactile picture graphs
- 3 tactile tally charts
- 36 object As
- 4 containers
- 4 rays
- 4 tactile bar graphs
- 4 tactile coordinate planes
- 6 pairs of adjacent angles (40/10 degrees, 40/70 degrees, 20/30 degrees, 50/60 degrees, 45/90 degrees, and 15/30 degrees)
- 6 tactile tables

Common Materials Used to Administer Testlets for High School

- 1 dollar
- 1 domino
- 1 graphing calculator
- 1 large bin
- 1 large block
- 1 large book
- 1 large cloth hat
- 1 large paper cup
- 1 large plastic cup
- 1 large shirt with buttons
- 1 large shirt without buttons
- 1 large smooth paper
- 1 large straw
- 1 large straw hat
- 1 medium straw
- 1 rubber band (or piece of string)
- 1 small basket
- 1 small block
- 1 small book
- 1 small cloth hat
- 1 small paper cup
- 1 small plastic cup
- 1 small rough paper
- 1 small shirt with buttons
- 1 small shirt without buttons
- 1 small smooth paper
- 1 small straw
- 1 small straw hat
- 1 towel
- 1 string
- 10 checkers
- 2 crumpled papers
- 2 identical 14-count packs of gum
- 2 identical blocks
- 2 identical books
- 2 identical bowls
- 2 identical checkers
- 2 identical erasers
- 2 identical 4-function calculators
- 2 identical glue sticks
- 2 identical pencils
- 2 identical rulers

- 2 large erasers
- 2 large identical cubes
- 2 long pencils
- 2 pattern blocks
- 2 pom-poms
- 2 short pencils
- 2 small erasers
- 2 small identical cubes
- 2 smooth papers
- 2 sponges
- 3 bowls varying in size
- 3 chenille stems
- 3 coins
- 3 number cubes
- 3 papers that vary in size
- 3 pencils that vary in length
- 3 ribbons that vary in length
- 3 rulers
- 3 water bottles varying in fullness
- 5 erasers
- 5 plates
- 6 crayons
- 6 pencils
- 6 playing cards
- 7 bandages
- 7 buttons
- 7 glue sticks
- 7 highlighters
- 7 markers
- 7 straws
- 8 spoons

Common Materials Used to Administer Testlets for High School Students Who Are Blind or Have Visual Impairments

- 1 acute angle
- 1 container with 10 compartments
- 1 heart
- 1 hexagon divided into 2 trapezoids
- 1 large octagon
- 1 large right isosceles triangle
- 1 larger triangle divided into a smaller triangle and trapezoid
- 1 line
- 1 line segment
- 1 medium rectangle
- 1 object with the measurable attribute height
- 1 obtuse angle
- 1 point
- 1 ray
- 1 rectangle that measures 5 × 10
- 1 rectangle with discernible unit squares measuring 5 × 4
- 1 rectangle with discernible unit squares measuring 4 × 3
- 1 right angle
- 1 set of adjacent angles
- 1 set of intersecting line segments
- 1 set of intersecting lines
- 1 set of parallel line segments
- 1 set of parallel lines
- 1 set of perpendicular line segments
- 1 set of perpendicular lines
- 1 set of vertical angles
- 1 small cone
- 1 small equilateral triangle
- 1 small octagon
- 1 small rectangle
- 1 small right scalene triangle
- 1 small square
- 1 square that measures 8 × 8
- 1 straight angle
- 1 tactile chart
- 1 tactile coordinate grid
- 1 tactile line plot
- 1 tactile material for labeling
- 1 tactile material to create groups
- 13 ones
- 2 congruent cylinders

- 2 congruent rectangles (1 divided in half to make 2 squares)
- 2 congruent trapezoids
- 2 cubes
- 2 different objects
- 2 dimes
- 2 identical circles
- 2 identical non-symmetrical flat objects
- 2 identical rectangular prisms
- 2 large congruent cones
- 2 large congruent equilateral triangles
- 2 large congruent right scalene triangles
- 2 large congruent squares
- 2 large rectangles
- 2 nickels
- 2 pennies
- 2 quarters
- 2 rectangles without discernible unit squares
- 2 similar cylinders
- 2 spheres
- 2 stars
- 2 tactile function tables
- 24 object As
- 24 object Bs
- 3 flat, congruent, asymmetrical shapes
- 3 identical rectangles
- 3 tactile picture graphs
- 3 tactile pie charts
- 36 stackable objects
- 4 congruent right scalene triangles
- 4 sets of 5 identical objects
- 4 tactile coordinate planes
- 4 tactile line graphs
- 5 tens
- 6 tactile bar graphs
- 6 tactile number lines
- 7 tactile linear function graphs
- 77 objects
- 9 tactile function graphs