



## Mathematics Materials Collections 2024–2025 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*

<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.
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 box (one foot or longer)
- 1 domino
- 1 eight-inch string
- 1 eraser (less than a foot long)
- 1 five-inch string
- 1 large closed box
- 1 large cup
- 1 long pencil
- 1 notebook (less than a foot long)
- 1 piece of chart paper (one foot or longer)
- 1 piece of construction paper
- 1 rubber band (or piece of string)
- 1 short pencil
- 1 small closed box
- 1 small cup
- 1 small open box
- 1 sponge
- 1 string (one foot or longer)
- 1 three-inch string
- 1 yardstick
- 10 index cards
- 10 paper bowls
- 2 baskets
- 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 checkers
- 2 identical cups
- 2 identical erasers
- 2 identical glue sticks
- 2 identical markers with easily removable lids
- 2 identical pencils
- 2 identical pens
- 3 blocks

- 30 small cubes
- 5 glue sticks
- 6 rulers
- 8 craft sticks
- 8 erasers
- 8 pencils
- cards with printed or braille numbers from 1 to 30
- unit cubes to measure length (enough to measure the longest object)

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

- 1 circle divided into 4 unequal parts
- 1 circle divided into fourths
- 1 circle divided into thirds
- 1 circle divided into thirds with 1 part missing
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{3}{4}$
- 1 circle representing  $\frac{3}{6}$
- 1 circle representing  $\frac{4}{4}$
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 continuous substance
- 1 eight-inch object
- 1 five-foot object
- 1 five-inch object
- 1 four-inch object
- 1 heart divided into halves
- 1 hexagon
- 1 hundreds block
- 1 large rectangle divided into parts
- 1 large square divided into parts
- 1 large triangle divided into parts
- 1 long object A
- 1 long object B
- 1 long object D
- 1 oval
- 1 rectangle divided into 2 equal parts
- 1 rectangle divided into 2 equal rows and 2 equal columns
- 1 rectangle divided into 2 equal rows and 4 unequal columns
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 2 unequal rows and 2 unequal columns
- 1 rectangle divided into 3 equal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 6 unequal parts
- 1 rectangle divided into 8 equal parts
- 1 rectangle representing  $\frac{1}{10}$

- 1 rectangle representing  $\frac{1}{2}$
- 1 rectangle representing  $\frac{1}{3}$
- 1 rectangle representing  $\frac{1}{4}$
- 1 rectangle representing  $\frac{3}{4}$
- 1 rectangle representing  $\frac{6}{8}$
- 1 rhombus
- 1 set of 24 identical objects
- 1 seven-inch object
- 1 short object A
- 1 short object B
- 1 short object C
- 1 six-inch object
- 1 small rectangle
- 1 square divided into fourths
- 1 square divided into halves
- 1 square representing  $\frac{1}{1}$
- 1 square representing  $\frac{1}{2}$
- 1 square representing  $\frac{1}{4}$
- 1 square representing  $\frac{2}{2}$
- 1 square representing  $\frac{2}{3}$
- 1 square representing  $\frac{3}{4}$
- 1 square representing  $\frac{4}{4}$
- 1 star
- 1 tactile bar graph
- 1 tactile material to create groups
- 1 tactile number chart
- 1 tactile picture graph
- 1 tactile tape measure
- 1 thousand cube
- 1 three-foot object
- 1 three-inch object
- 1 trapezoid
- 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
- 18 ones
- 19 dimes
- 2 circles divided into 2 unequal parts
- 2 circles divided into 3 unequal parts
- 2 congruent circles divided into halves
- 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 sets of objects where each set contains 1 whole object and 1 part of an identical object
- 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 squares
- 3 large triangles
- 3 medium squares
- 3 medium triangles
- 3 small squares
- 3 small triangles
- 3 tactile rulers
- 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 box of crayons
- 1 clear 4-cup measuring cup with the number of cups clearly marked
- 1 folder
- 1 glue stick
- 1 half-gallon pitcher
- 1 large box
- 1 long sharpened pencil
- 1 long unsharpened pencil
- 1 medium box
- 1 notebook
- 1 number cube
- 1 paper cup in parts
- 1 paper plate in parts
- 1 piece of chalk
- 1 piece of sandpaper
- 1 rubber band (or piece of string)
- 1 short sharpened pencil
- 1 small box
- 1 small empty cup
- 1 small plate
- 1 sponge in parts
- 1 thick book
- 1 thin book
- 1 whole sponge
- 10 index cards
- 10 paper bowls
- 10 pencils
- 2 identical 6-count boxes of microwave popcorn
- 2 identical blocks
- 2 identical chenille stems
- 2 identical cubes
- 2 identical cups
- 2 identical fraction pizzas
- 2 identical gloves
- 2 identical pieces of brown construction paper
- 2 identical puzzles



- 2 large cups
- 2 long pieces of string
- 2 shoe boxes
- 2 short pencils
- 2 short pieces of string
- 2 unsharpened pencils
- 3 chenille stems that vary in length
- 3 craft sticks that vary in length
- 5 markers
- 5 pens
- 6 craft sticks
- 6 pom-poms
- 7 blocks
- 7 colored pencils
- 7 connecting cubes
- 7 cotton swabs
- 7 crayons
- 7 erasers
- 8 counter chips
- 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 representing  $\frac{1}{2}$
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{1}{5}$
- 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 circle representing  $\frac{5}{6}$
- 1 container about 2 times the size of the small container
- 1 container about 20 times the size of the small container
- 1 container of 6 object Bs
- 1 container of 6 object Cs
- 1 continuous substance
- 1 coordinate grid
- 1 ellipse
- 1 equal to sign
- 1 greater than sign
- 1 half heart
- 1 heart divided into 2 unequal parts with 1 part missing
- 1 hexagon divided into 3 unequal parts
- 1 hexagon divided into halves
- 1 hundred
- 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 3 times the size of the small object
- 1 object about 4 times the size of the small object
- 1 object about 8 times the size of the small object
- 1 object B separate from the container
- 1 object C separate from the container
- 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 one-dollar bill
- 1 parallelogram
- 1 part of an identical object A
- 1 penny
- 1 pentagon
- 1 point
- 1 quarter
- 1 ray
- 1 rectangle divided into 2 squares
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into halves
- 1 rectangle divided into thirds
- 1 rectangle representing  $\frac{1}{10}$
- 1 rectangle representing  $\frac{1}{12}$
- 1 rectangle representing  $\frac{12}{12}$
- 1 rectangle representing  $\frac{2}{10}$
- 1 rectangle representing  $\frac{3}{10}$
- 1 rectangle representing  $\frac{3}{4}$
- 1 rectangle representing  $\frac{4}{4}$
- 1 rectangle representing  $\frac{4}{6}$
- 1 rectangle representing  $\frac{4}{8}$
- 1 rectangle representing  $\frac{6}{12}$
- 1 rectangle with discernible square units measuring  $3 \times 2$
- 1 rectangle with discernible square units measuring  $5 \times 3$
- 1 rectangle with discernible square units measuring  $6 \times 2$
- 1 rectangle with discernible square units measuring  $6 \times 3$
- 1 rhombus divided into halves
- 1 right triangle
- 1 set of 10 different objects (objects A-J)
- 1 set of 3 identical acute angles

- 1 set of 32 object
- 1 set of intersecting lines
- 1 set of non-touching lines in a downward V-shape
- 1 set of parallel line segments
- 1 set of parallel lines
- 1 short rectangle
- 1 small container
- 1 small object
- 1 square divided 4 unequal parts
- 1 square divided into 2 right triangles
- 1 square divided into halves
- 1 square divided into thirds
- 1 square representing  $\frac{1}{2}$
- 1 square representing  $\frac{1}{3}$
- 1 square representing  $\frac{1}{4}$
- 1 square representing  $\frac{2}{2}$
- 1 square representing  $\frac{2}{4}$
- 1 square representing  $\frac{3}{8}$
- 1 subtraction sign
- 1 tactile line graph
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 trapezoid
- 1 triangle divided into 2 unequal parts
- 1 triangle divided into halves
- 1 whole heart
- 1 whole hexagon
- 1 whole rhombus
- 1 whole square
- 1 wide rectangle
- 10 identical object As
- 12 object Bs
- 13 tens
- 14 cube weights
- 19 ones
- 2 circles representing tenths
- 2 identical rectangles
- 2 obtuse angles
- 2 parts of different objects
- 2 rectangles divided into unequal parts

- 2 rectangular-shaped objects
- 2 right angles
- 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 intersecting lines (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 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
- 3 tactile number lines
- 30 object As
- 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 dry sponge
- 1 empty box
- 1 five-foot ribbon
- 1 full box
- 1 large cube
- 1 large cup
- 1 long sharpened pencil
- 1 long unsharpened pencil
- 1 nine-inch ribbon
- 1 non-retractable tape measure with feet and inches clearly marked
- 1 pair of socks
- 1 pencil box
- 1 piece of yarn (2 feet long or longer)
- 1 plastic cup
- 1 rubber band (or piece of string)
- 1 ruler (or tape measure)
- 1 scale
- 1 shoebox
- 1 short sharpened pencil
- 1 sixteen-inch ribbon
- 1 small cube
- 1 small cup
- 1 straight chenille stem
- 1 teacher's manual
- 1 three-foot ribbon
- 1 tissue box
- 1 tray
- 1 wet sponge
- 1 yardstick (or tape measure)
- 2 identical crayons
- 2 identical decks of cards in their boxes
- 2 identical erasers
- 2 identical pencils
- 2 identical pieces of paper
- 2 identical rulers

- 2 jars
- 2 pieces of chalk
- 2 short pencils
- 3 blocks that vary in size
- 3 empty rectangular containers varying in size
- 3 objects used to conceal the other objects
- 3 strings that vary in length
- 4 connecting cubes
- 5 bowls
- 5 plates
- 50 unit cubes
- 6 books
- 6 chenille stems
- 6 counters
- 6 markers
- 6 number cubes
- 7 cups
- 7 pennies
- 7 puzzle pieces
- 8 crayons
- 8 erasers
- 8 glue sticks
- 8 pencils
- 8 pens

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

- 1 bundled set of 10 identical object As
- 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 thirds
- 1 circle representing  $\frac{1}{10}$
- 1 circle representing  $\frac{1}{2}$
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{1}{8}$
- 1 circle representing  $\frac{2}{2}$
- 1 circle representing  $\frac{2}{3}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{2}{8}$
- 1 circle representing  $\frac{3}{10}$
- 1 circle representing  $\frac{3}{3}$
- 1 circle representing  $\frac{3}{4}$
- 1 circle representing  $\frac{3}{6}$
- 1 circle representing  $\frac{3}{8}$
- 1 circle representing  $\frac{4}{10}$
- 1 circle representing  $\frac{5}{10}$
- 1 circle representing  $\frac{6}{10}$
- 1 circle representing  $\frac{7}{10}$
- 1 circle representing  $\frac{9}{10}$
- 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 dollar bill
- 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 hundred
- 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 pentagon divided into 2 unequal parts
- 1 pentagon divided into 3 unequal parts
- 1 pentagon divided into halves
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 unequal parts
- 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  $\frac{1}{10}$
- 1 rectangle representing  $\frac{1}{2}$
- 1 rectangle representing  $\frac{1}{4}$
- 1 rectangle representing  $\frac{1}{6}$
- 1 rectangle representing  $\frac{2}{4}$
- 1 rectangle representing  $\frac{2}{6}$
- 1 rectangle representing  $\frac{3}{4}$
- 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 small rectangle
- 1 small sphere

- 1 small triangle
- 1 square divided into 2 unequal parts
- 1 square divided into 3 unequal parts
- 1 square divided into halves
- 1 square representing  $\frac{1}{2}$
- 1 square representing  $\frac{1}{3}$
- 1 square representing  $\frac{1}{4}$
- 1 square representing  $\frac{1}{6}$
- 1 square representing  $\frac{1}{8}$
- 1 tactile material to create groups
- 1 tactile number line
- 1 tetrahedron
- 1 thousand
- 1 trapezoid
- 1 whole equilateral triangle
- 10 tens
- 12 containers with 2 compartments each
- 18 object Bs
- 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 subtraction signs
- 2 tactile digital clocks
- 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 analog clocks
- 3 tactile line plots
- 3 tactile picture graphs
- 3 tactile tables
- 32 identical objects
- 35 ones
- 36 objects
- 4 addition signs
- 4 containers with 4 compartments each
- 4 tactile bar graphs
- 4 various triangles
- 50 unit cubes
- 53 object As
- 6 objects that are not forms of money
- 8 object Ds
- tactile numbers

## Common Materials Used to Administer Testlets for Grade 6

- 1 basket
- 1 clear bag
- 1 craft stick in parts
- 1 crayon in parts
- 1 index card in parts
- 1 paper plate in parts
- 1 plastic cup
- 1 rectangular prism container measuring 3 x 3 x 2
- 1 rectangular prism container measuring 5 x 7 x 2
- 1 rectangular prism container measuring 5 x 8 x 2
- 1 rubber band (or piece of string)
- 1 shoebox
- 1 whole paper plate
- 10 connecting cubes
- 10 erasers
- 10 playing cards
- 2 bent straws varying in size
- 2 large blocks
- 2 small blocks
- 2 small boxes
- 2 straight straws varying in size
- 3 pencils that vary in length
- 3 pieces of string that vary in length
- 5 paper cups
- 6 blocks
- 6 buttons
- 6 coins
- 6 highlighters
- 7 craft sticks
- 7 number cubes
- 8 colored pencils
- 8 crayons
- 8 index cards
- 8 markers
- 8 paintbrushes
- 8 pencils
- 8 pens
- 8 rulers

- 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 2 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  $\frac{1}{10}$
- 1 circle representing  $\frac{1}{2}$
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{1}{6}$
- 1 circle representing  $\frac{2}{8}$
- 1 container with 5 compartments
- 1 continuous substance
- 1 cube with discernible cubic units measuring  $2 \times 2 \times 2$
- 1 half-shaded rectangle
- 1 half-shaded square
- 1 pentagon divided into 2 unequal parts
- 1 pentagon divided into halves
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into fourths
- 1 rectangle measuring  $\frac{1}{2} \times 2$
- 1 rectangle measuring  $3 \times 2$
- 1 rectangle with discernible square units measuring  $2 \times 6$
- 1 rectangle with discernible square units measuring  $3 \times 4$
- 1 rectangle with discernible square units measuring  $3 \times 5$
- 1 rectangle with discernible square units measuring  $3 \times 6$
- 1 rectangle with discernible square units measuring  $4 \times 2$
- 1 rectangle with discernible square units measuring  $4 \times 3$
- 1 rectangle with discernible square units measuring  $4 \times 5$
- 1 rectangle with discernible square units measuring  $4 \times 7$
- 1 rectangle with discernible square units measuring  $6 \times 4$
- 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  $3 \times 2 \times 2$
- 1 rectangular prism with discernible cubic units measuring  $3 \times 2 \times 5$

- 1 rectangular prism with discernible cubic units measuring  $3 \times 3 \times 1$
- 1 rectangular prism with discernible cubic units measuring  $4 \times 1 \times 6$
- 1 rectangular prism with discernible cubic units measuring  $8 \times 2 \times 4$
- 1 shaded rectangle
- 1 shaded square
- 1 square measuring  $1 \times 1$
- 1 square measuring  $2 \times 2$
- 1 square representing  $\frac{1}{4}$
- 1 square with arrows around the borders
- 1 square with discernible square units measuring  $3 \times 3$
- 1 square with discernible square units measuring  $4 \times 4$
- 1 square with discernible square units measuring  $6 \times 6$
- 1 tactile material to create groups
- 1 tactile picture graph
- 10 identical objects
- 15 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
- 3 tactile number lines
- 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
- 7 objects Bs

## Common Materials Used to Administer Testlets for Grade 7

- 1 calculator
- 1 crumpled piece of paper
- 1 hard plastic ruler
- 1 large bowl
- 1 large ceramic plate
- 1 large circular block
- 1 large full tissue box
- 1 large paper plate
- 1 large square block
- 1 pencil box
- 1 rubber band (or piece of string)
- 1 small bowl
- 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
- 2 dry sponges
- 2 identical 12-count boxes of chalk
- 2 identical 8-count boxes of markers
- 2 identical cups
- 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 objects used to conceal (e.g., cups, towels) the other objects
- 3 pencils that vary in length
- 5 erasers
- 6 glue sticks



- 6 pencils
- 7 crayons
- 7 paintbrushes
- 7 paper clips

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

- 1 acute isosceles triangle
- 1 circle representing  $\frac{1}{6}$
- 1 circle representing  $\frac{2}{6}$
- 1 circle representing  $\frac{3}{6}$
- 1 circle representing  $\frac{5}{6}$
- 1 circle representing  $\frac{6}{6}$
- 1 ellipse
- 1 equal to sign
- 1 greater than sign
- 1 heart
- 1 hexagon
- 1 large cylinder
- 1 large equilateral triangle
- 1 large pentagon
- 1 large pyramid
- 1 large sphere
- 1 large square
- 1 less than sign
- 1 line
- 1 medium circle
- 1 medium pentagon
- 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 height
- 1 object with the measurable attribute of weight
- 1 obtuse isosceles triangle
- 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 measuring  $5 \times 3$
- 1 rectangle measuring  $5 \times 4$
- 1 rectangle representing  $\frac{10}{10}$
- 1 rectangle representing  $\frac{2}{10}$

- 1 rectangle representing  $\frac{2}{8}$
- 1 rectangle representing  $\frac{3}{10}$
- 1 rectangle representing  $\frac{4}{8}$
- 1 rectangle representing  $\frac{5}{10}$
- 1 rectangle representing  $\frac{7}{10}$
- 1 rectangle representing  $\frac{8}{8}$
- 1 rectangle with discernible square units measuring  $4 \times 3$
- 1 rectangle with discernible square units measuring  $5 \times 2$
- 1 rectangle with discernible square units measuring  $6 \times 2$
- 1 rectangle with discernible square units measuring  $8 \times 3$
- 1 rectangle without discernible square units measuring  $5 \times 3$
- 1 rectangle without discernible square units measuring  $7 \times 3$
- 1 rhombus
- 1 right triangle
- 1 small circle
- 1 small cube
- 1 small equilateral triangle
- 1 small pentagon
- 1 small similar cylinder
- 1 small similar pyramid
- 1 small sphere
- 1 square with discernible square units measuring  $2 \times 2$
- 1 tactile addition sign
- 1 tactile coordinate grid
- 1 tactile football field
- 1 tactile material to create groups
- 1 tactile subtraction sign
- 1 triangular prism
- 12 object Bs
- 2 acute angles
- 2 congruent circles
- 2 congruent cones
- 2 congruent cylinders
- 2 congruent equilateral triangles
- 2 congruent isosceles triangles
- 2 congruent rectangular prisms
- 2 congruent squares
- 2 large circles
- 2 large triangles
- 2 medium spheres

- 2 obtuse angles
- 2 rectangles representing  $\frac{6}{8}$
- 2 right angles
- 2 tactile line plots
- 2 tactile picture graphs
- 2 tactile pie charts
- 20 identical objects
- 3 congruent rectangles
- 3 containers with 10 compartments each
- 3 containers with 4 compartments each
- 3 containers with 6 compartments each
- 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)
- 5 number cubes
- 55 object As

## Common Materials Used to Administer Testlets for Grade 8

- 1 closed empty box
- 1 dry sponge
- 1 glove
- 1 large box
- 1 large circular block
- 1 large piece of paper
- 1 large rectangular block
- 1 large round plate
- 1 long string
- 1 open box filled with paper
- 1 open empty box
- 1 rubber band (or piece of string)
- 1 short plastic bottle
- 1 short string
- 1 small basket
- 1 small piece of paper
- 1 small rectangular block
- 1 small round plate
- 1 small square plate
- 1 tall plastic bottle
- 1 thick ribbon
- 1 thin ribbon
- 1 wet sponge
- 2 closed containers
- 2 dry paper towels
- 2 identical 12-count packs of mechanical pencils
- 2 identical bowls
- 2 identical counters
- 2 identical cups
- 2 identical erasers
- 2 identical folders
- 2 identical notebooks
- 2 identical pattern blocks
- 2 identical towels
- 2 identical unit cubes
- 2 large containers
- 2 markers
- 2 open containers

- 2 pieces of rough paper varying in size
- 2 pieces of smooth paper varying in size
- 2 small containers
- 2 wet paper towels
- 3 crayons that vary in length
- 3 pencils that vary in length
- 3 ribbons that vary in length
- 3 straws
- 5 blocks
- 5 rulers
- 6 highlighters
- 6 paper clips
- 8 cards
- 8 checkers
- 8 colored pencils
- 8 counters
- 8 erasers
- 9 pom-poms

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

- 1 arc
- 1 arrow
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{3}{4}$
- 1 circle representing  $\frac{4}{4}$
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 curved line
- 1 curved line segment
- 1 curved ray
- 1 different cylinder
- 1 greater than sign
- 1 group of object Cs
- 1 large circle
- 1 large cone
- 1 large cube
- 1 large equilateral triangle
- 1 large hexagon
- 1 large non-similar rectangle
- 1 large parallelogram
- 1 large similar rhombus
- 1 large sphere
- 1 less than sign
- 1 long rectangle
- 1 medium ellipse
- 1 medium hexagon
- 1 medium octagon
- 1 medium rhombus
- 1 medium square
- 1 medium trapezoid
- 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 point
- 1 rectangle measuring 4 x 2
- 1 rectangle measuring 4 x 3
- 1 rectangle measuring 5 x 10
- 1 rectangle measuring 5 x 3
- 1 rectangle measuring 6 x 3
- 1 rectangular prism measuring 4 x 3 x 5
- 1 rectangular prism measuring 5 x 2 x 2
- 1 set of intersecting line segments
- 1 set of intersecting lines
- 1 small circle
- 1 small cone
- 1 small cube
- 1 small cylinder
- 1 small octagon
- 1 small parallelogram
- 1 small pyramid
- 1 small similar rectangle
- 1 small similar right triangle
- 1 small trapezoid
- 1 square measuring 6 x 6
- 1 tactile function graph
- 1 tactile letter A
- 1 tactile letter B
- 1 tactile line plot
- 1 tactile material to create labels
- 1 tactile material to create groups
- 1 whole object B
- 1 whole object D
- 1 whole object E
- 10 identical objects
- 2 congruent ellipses
- 2 congruent equilateral triangles
- 2 congruent lines
- 2 congruent medium parallelograms
- 2 congruent medium rectangles
- 2 congruent trapezoids
- 2 identical object As
- 2 large congruent rectangles



- 2 large congruent rectangular prisms
- 2 large congruent squares
- 2 medium congruent circles
- 2 medium congruent right isosceles triangles
- 2 obtuse angles
- 2 pairs of congruent asymmetrical shapes
- 2 right angles
- 2 sets of congruent parallel lines
- 2 similar cylinders
- 2 similar right scalene triangles
- 2 small congruent rectangular prisms
- 2 small congruent rhombi
- 2 small congruent right isosceles triangles
- 2 small congruent right scalene triangles
- 2 small congruent squares
- 2 subtraction symbols
- 3 congruent line segments
- 3 congruent right isosceles triangles
- 3 congruent right scalene triangles
- 3 containers with 10 compartments each
- 3 different acute angles (approximately 20 degrees, 60 degrees, and 80 degrees)
- 3 equals symbols
- 3 large congruent right triangles
- 3 medium congruent right scalene 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 tactile bar graphs
- 3 tactile coordinate grids
- 3 tactile function tables
- 3 tactile picture graphs
- 3 tactile tally charts
- 4 addition symbols
- 4 rays
- 4 tactile coordinate planes
- 42 object As
- 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 domino
- 1 dry sponge
- 1 empty container
- 1 full container
- 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 wet sponge
- 1 string
- 10 checkers
- 2 counter chips
- 2 crumpled papers
- 2 game cards
- 2 identical blocks

- 2 identical bowls
- 2 identical checkers
- 2 identical erasers
- 2 identical four-function calculators
- 2 identical glue sticks
- 2 identical notebooks
- 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
- 3 bowls varying in size
- 3 coins
- 3 number cubes
- 3 papers that vary in size
- 3 pencils that vary in length
- 3 pipe cleaners
- 3 ribbons that vary in length
- 3 rulers
- 3 water bottles varying in fullness
- 5 erasers
- 5 plates
- 6 pencils
- 6 playing cards
- 7 bandages
- 7 buttons
- 7 crayons
- 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 large circle
- 1 large octagon
- 1 large pentagon
- 1 large rectangle
- 1 large right isosceles triangle
- 1 line
- 1 line segment
- 1 medium circle
- 1 medium pentagon
- 1 medium square
- 1 medium triangle
- 1 number cube
- 1 obtuse angle
- 1 point
- 1 ray
- 1 rectangle measuring 2 x 5
- 1 rectangle measuring 3 x 4
- 1 rectangle measuring 4 x 2
- 1 rectangle measuring 4 x 5
- 1 rectangle measuring 4 x 6
- 1 rectangle measuring 7 x 3
- 1 rectangle measuring 7 x 6
- 1 rectangle that measures 5 x 10
- 1 rectangle with discernible square units measuring 2 x 3
- 1 rectangle with discernible square units measuring 3 x 5
- 1 rectangle with discernible square units measuring 4 x 3
- 1 rectangle with discernible square units measuring 5 x 4
- 1 rhombus
- 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 pentagon
- 1 small rectangle
- 1 small right scalene triangle
- 1 square that measures 8 x 8
- 1 straight angle
- 1 tactile chart
- 1 tactile coordinate grid
- 1 tactile line plot
- 1 tactile material to create groups
- 13 ones
- 2 congruent cylinders
- 2 congruent rectangles
- 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 nickels
- 2 pennies
- 2 quarters
- 2 rectangles without discernible unit squares
- 2 similar cylinders
- 2 small circles
- 2 small squares
- 2 small stars
- 2 spheres
- 2 tactile function tables

- 24 object As
- 3 tactile picture graphs
- 3 tactile pie charts
- 3 tactile spinners
- 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
- tactile material for labeling