



Mathematics Materials Collections

2026 Instructionally Embedded Model Spring Window

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 can find appropriate substitutions. For more information about substituting materials, see the TEST ADMINISTRATION MANUAL sections titled Teacher-Administered Testlets and Retrieve the Testlet Information Page and Gather Materials.

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, giving teachers the ability to identify 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. The most useful materials are familiar to the student and available before the teacher begins assigning testlets in the Instruction and Assessment Planner.

The following list contains commonly needed materials in mathematics testlets and gives test administrators more opportunity to prepare for the mathematics alternate assessment prior to the opening of the assessment window. 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 substitutions are found in Table 1.
- Materials substitutions are listed for individual testlets on the corresponding TIP.
- The student’s safety should be the primary concern when choosing materials or substitutions.

Table 1

Example Mathematics Materials Substitutions

Example Materials Description	Possible Substitution
Two sets of identical objects packaged together (e.g., packs of crayons, pencils, and 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. These mathematics testlets are general testlets adapted to be more accessible for students who are blind or have visual impairments.

Common Materials Used to Administer Testlets for Grade 3

- 1 book (less than a foot long)
- 1 box
- 1 container (one foot or longer)
- 1 crayon box
- 1 crumpled piece of paper
- 1 cup
- 1 large piece of paper
- 1 large tube sock
- 1 piece of notebook paper
- 1 rubber band (or piece of string)
- 1 ruler
- 1 small ankle sock
- 1 small piece of paper
- 1 smooth piece of paper
- 2 baskets
- 2 gloves
- 2 identical blocks
- 2 identical checkers
- 2 identical pens
- 2 paper plates of which 1 is whole and 1 is in parts
- 2 plates of which 1 is large and 1 is small
- 2 ribbons of which 1 is one foot or longer and 1 is short
- 2 sponges of which 1 is whole and 1 is in parts
- 3 pieces of string of which 1 is 1 foot, 1 is 2 feet, and 1 is 3 feet
- 5 glue sticks of which at least 2 are identical
- 6 pencils of which at least 1 is long, 1 is short, and 2 are identical
- 7 chenille sticks
- 7 erasers of which at least 2 are identical
- 8 craft sticks
- 8 crayons of which at least 1 is long & thin, 1 is long & thick, and 1 is short & thick
- 8 markers
- 9 cotton balls
- 9 dominoes
- 10 connecting cubes
- 10 index cards
- 10 paper bowls
- 16 circles
- 30 cubes of which at least 1 is large and 1 is small
- 40 objects to use as counters in a container

- cards numbered 1 to 30
- enough unit cubes to measure the length of the notebook paper
- yardstick with feet clearly marked

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

- 1 addition sign
- 1 circle divided into 4 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 $\frac{1}{6}$
- 1 circle representing $\frac{2}{3}$
- 1 circle representing $\frac{3}{3}$
- 1 circle representing the fraction $\frac{1}{5}$
- 1 circle representing the fraction $\frac{3}{4}$
- 1 circle representing the fraction $\frac{4}{4}$
- 1 continuous substance
- 1 eight-inch object
- 1 ellipse
- 1 equal sign
- 1 five-inch object
- 1 four and a half-inch object
- 1 heart
- 1 hexagon divided into halves
- 1 hundreds block
- 1 large rectangle cut into 2 parts
- 1 large triangle cut into 2 parts
- 1 long object D
- 1 medium right scalene triangle
- 1 octagon
- 1 one-inch object
- 1 parallelogram
- 1 pentagon
- 1 rectangle divided into 2 equal columns
- 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 columns
- 1 rectangle divided into 2 unequal rows and 2 unequal columns
- 1 rectangle divided into 3 equal rows and 2 equal columns

- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into thirds
- 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 $\frac{1}{6}$
- 1 rectangle representing the fraction $\frac{1}{10}$
- 1 rectangle representing the fraction $\frac{1}{2}$
- 1 rectangle representing the fraction $\frac{1}{4}$
- 1 seven-inch object
- 1 short object C
- 1 six-inch object
- 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 $\frac{1}{8}$
- 1 square representing $\frac{2}{4}$
- 1 square representing $\frac{3}{4}$
- 1 square representing the fraction $\frac{3}{3}$
- 1 square representing the fraction $\frac{4}{8}$
- 1 subtraction sign
- 1 tactile material to create groups
- 1 tactile number chart
- 1 tactile picture graph
- 1 ten-inch object
- 1 thousands cube
- 1 three-inch object
- 1 triangle divided into halves
- 1 two-inch object
- 2 circles divided into 2 unequal parts
- 2 circles divided into 3 unequal parts
- 2 four-inch objects
- 2 hexagons of which 1 is large and 1 is small
- 2 medium isosceles triangles of which 1 is right and 1 is acute
- 2 medium objects
- 2 rhombi of which 1 is medium & whole and 1 is divided into halves
- 2 sets of objects where each set contains 1 whole object and 2 parts of an identical object
- 2 sets of objects where each set contains 2 objects in 2 pieces and 1 whole object

- 2 small objects
- 2 stars of which 1 is whole and 1 is divided into halves
- 2 tactile bar graphs
- 2 trapezoids of which 1 is medium & whole and 1 is divided into 2 parts
- 3 sets of objects where each set contains 1 object in 2 pieces and 2 whole objects
- 3 sets of objects where each set contains 1 whole object and 1 part of an identical object
- 3 tactile rulers
- 5 large objects
- 6 rectangles of which 2 are large & congruent, 3 are medium & congruent, and 1 is small
- 9 equilateral triangles of which 3 are large & congruent, 3 are medium & congruent, and 3 are small & congruent
- 9 squares of which 3 are large & congruent, 3 are medium & congruent, and 3 are small & congruent
- 9 tactile clocks
- 12 object Bs of which at least 1 is long and 1 is short
- 12 ten-dollar bills
- 13 tens
- 15 circles of which at least 3 are large, 3 are medium, and 3 are small
- 18 containers of which at least 6 are identical and 4 have 10 compartments each
- 18 triangles
- 19 dimes
- 20 ones
- 30 identical objects
- 63 object As of which at least 1 is long and 1 is short

Common Materials Used to Administer Testlets for Grade 4

- 1 bag
- 1 balance scale
- 1 ball
- 1 clear 1/2-gallon pitcher
- 1 clear 4-cup measuring cup with the number of cups clearly marked
- 1 empty coffee can
- 1 glove
- 1 plastic bottle
- 1 rubber band (or piece of string)
- 2 baskets
- 2 bowls of which 1 is small and 1 is large
- 2 highlighters
- 2 identical blocks
- 2 identical folders
- 2 identical notebooks
- 2 large blocks
- 2 paper cups of which 1 is whole and 1 is in parts
- 2 paper plates of which 1 is whole and 1 is in parts
- 2 pots
- 2 re-sealable sandwich bags with different amount of rice inside
- 2 ribbons of which 1 is long and 1 is short
- 2 small blocks
- 2 strings of which 1 is long and 1 is short
- 2 towels
- 3 bandages of which 1 is small & circular, 1 is small & rectangular, and 1 is large & circular
- 3 cups of which 2 are identical & large and 1 is small
- 3 pieces of paper of which 1 is large & folded, 1 is large & flat, and 1 is small & folded
- 3 pom-poms that vary in size
- 3 small boxes, each with a different volume
- 3 sponges of which 1 is whole & wet, 1 is whole & dry, and 1 is in parts
- 5 craft sticks of which at least 2 are identical
- 5 erasers of which at least 2 are identical
- 5 markers of which at least 2 are identical
- 5 number cubes
- 5 pens of which at least 2 are identical
- 6 counters
- 6 paperclips
- 7 checkers all of the same color

- 7 colored pencils
- 7 connecting blocks
- 7 crayons
- 10 index cards
- 10 paper bowls
- 10 pencils of which at least 1 is long, 1 is short, and 1 is a different length
- 20 marbles to use as informal units
- 50 cotton balls to use as informal units
- cubes to measure volume
- food coloring
- pennies to measure mass
- water

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

- 1 addition sign
- 1 arrow
- 1 asterisk
- 1 cent sign
- 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 $\frac{1}{2}$
- 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 $\frac{2}{3}$
- 1 circle representing $\frac{3}{4}$
- 1 circle representing $\frac{4}{4}$
- 1 circle representing $\frac{5}{6}$
- 1 colon
- 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 cube measuring 1 x 1 x 1
- 1 different object separate from the container
- 1 dime
- 1 equal-to sign
- 1 line
- 1 line segment
- 1 nickel
- 1 number sign
- 1 one-dollar bill
- 1 oval
- 1 oval divided into 2 unequal parts
- 1 oval divided into 3 unequal parts
- 1 oval divided into halves
- 1 parallelogram
- 1 part of an identical object A
- 1 part of an identical object B

- 1 penny
- 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 squares
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 4 unequal parts
- 1 rectangle divided into fourths
- 1 rectangle divided into thirds
- 1 rectangle measuring 1 x 2
- 1 rectangle measuring 2 x 5
- 1 rectangle measuring 7 x 3
- 1 rectangle measuring 8 x 5
- 1 rectangle representing $\frac{1}{2}$
- 1 rectangle representing $\frac{1}{3}$
- 1 rectangle representing $\frac{2}{2}$
- 1 rectangle representing $\frac{2}{3}$
- 1 rectangle representing $\frac{4}{6}$
- 1 rectangle representing $\frac{5}{6}$
- 1 rectangle representing $\frac{6}{6}$
- 1 rectangle representing sixths
- 1 rectangle with discernable square units measuring 4 x 3
- 1 rectangle with discernable square units measuring 4 x 6
- 1 rectangle with discernable square units measuring 4 x 7
- 1 rectangle with discernable square units measuring 4 x 2
- 1 rectangle with discernable square units measuring 5 x 3
- 1 rectangle with discernable square units measuring 5 x 4
- 1 rectangle with discernable square units measuring 6 x 2
- 1 rectangle with discernable square units measuring 6 x 3
- 1 rectangle with the area indicated
- 1 rectangle with the length indicated
- 1 rectangle with the perimeter indicated
- 1 rhombus
- 1 set of angled line segments
- 1 set of non-perpendicular intersecting line segments
- 1 set of non-perpendicular intersecting lines
- 1 set of parallel line segments

- 1 set of perpendicular lines
- 1 small container
- 1 square divided into 2 right triangles
- 1 square divided into 3 unequal parts
- 1 square measuring 1 x 1
- 1 square measuring 2 x 2
- 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 $\frac{2}{3}$
- 1 square representing $\frac{3}{4}$
- 1 square representing $\frac{4}{4}$
- 1 square representing $\frac{4}{8}$
- 1 square representing eighths
- 1 square representing fourths
- 1 square representing thirds
- 1 square with a tactile border
- 1 square with discernable square units measuring 3 x 3
- 1 square with discernable square units measuring 5 x 5
- 1 star divided into halves
- 1 subtraction sign
- 1 tactile bar graph
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 ten-dollar bill
- 1 thousands cube
- 1 trapezoid
- 1 triangle divided into 2 unequal parts
- 1 triangle divided into halves
- 1 wavy line
- 2 congruent rectangles
- 2 greater than/less than signs
- 2 parts of different objects
- 2 sets of parallel lines
- 2 sets of perpendicular line segments
- 2 squares divided into 2 unequal parts
- 3 balance scales
- 3 objects of which 1 is round, 1 is triangular, and 1 is square
- 3 objects of which 1 is small, 1 is 2 times the size of the small object and 1 is 4 times the size of the small object

- 3 tactile analog clocks
- 3 tactile number lines
- 4 hearts of which 1 is divided into 2 unequal parts, 1 is divided into halves, and 2 are whole & congruent
- 5 hexagons of which 1 is whole, 1 is divided into halves, 1 is divided into 3 unequal parts, and 2 are divided into 2 unequal parts
- 6 identical containers
- 6 pentagons
- 6 squares
- 6 triangles of which at least 1 is a right triangle
- 7 circles of which at least 2 are congruent
- 7 objects of which 1 is heavier than 2 cube weights, 1 is heavier than 3 cube weights, 1 is lighter than 1 cube weight, 1 is lighter than 10 cube weights, 1 is lighter than 8 cube weights, 1 is lighter than 18 cube weights, and 1 is equal to 10 cube weights
- 8 tactile digital clocks
- 10 different non-money objects (objects A–J)
- 10 object Cs
- 13 angles of which 7 are acute, 3 are obtuse, and 3 are right
- 14 tens
- 19 object Bs
- 30 ones
- 31 cube weights
- 35 stackable objects
- 38 object As
- tactile letters

Common Materials Used to Administer Testlets for Grade 5

- 1 baseball
- 1 basketball
- 1 container (one foot or longer)
- 1 container measuring 5" x 8" x 2" filled with unit cubes
- 1 domino
- 1 empty container measuring 4" x 4" x 3"
- 1 empty container measuring 6" x 2" x 3"
- 1 empty rectangular container measuring 3" x 4" x 2"
- 1 empty rectangular container measuring 6" x 5" x 2"
- 1 empty rectangular container measuring 5" x 4" x 2"
- 1 large basket
- 1 picture book (less than a pound)
- 1 ribbon (one foot or longer)
- 1 rubber band (or piece of string)
- 1 ruler (or tape measure)
- 1 scale
- 1 shoebox
- 1 small box
- 1 tennis ball
- 1 text book (one pound or heavier)
- 1 towel
- 1 yardstick (or tape measure)
- 2 identical cards
- 2 identical folders
- 2 index cards of which 1 is large and 1 is small
- 2 large books
- 2 pieces of paper of which 1 is large and 1 is small
- 2 small books
- 2 sponges of which 1 is dry and 1 is wet
- 2 water bottles of which 1 is empty and 1 is filled with a colored liquid
- 3 plates
- 5 blocks
- 5 connecting cubes
- 5 markers
- 5 paintbrushes
- 6 clothespins
- 6 cups of which at least 2 are identical and 2 are plastic
- 7 craft sticks
- 7 interlocking blocks

- 7 number cubes of which at least 2 are identical
- 8 crayons
- 8 erasers of which at least 2 are identical
- 8 glue sticks
- 8 pencils of which at least 1 is long, 1 is short, and 1 is a different length
- 8 pens
- 8 snap cubes

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

- 1 bowl
- 1 box
- 1 box of colored pencils
- 1 circle divided into 2 unequal parts with 1 part shaded
- 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 $\frac{1}{5}$
- 1 circle representing $\frac{10}{10}$
- 1 circle representing $\frac{2}{3}$
- 1 circle representing $\frac{2}{8}$
- 1 circle representing $\frac{3}{3}$
- 1 circle representing $\frac{3}{4}$
- 1 circle representing $\frac{4}{5}$
- 1 circle representing $\frac{5}{10}$
- 1 container packed with unit cubes
- 1 eight-ounce object
- 1 equal-to sign
- 1 five-dollar bill
- 1 four-ounce object
- 1 heart
- 1 irregular pentagon
- 1 large pentagon
- 1 large rectangle
- 1 line segment
- 1 medium pentagon
- 1 object scaled to represent a 10-foot tall object
- 1 object scaled to represent a 5-foot tall object
- 1 obtuse scalene triangle
- 1 one-dollar bill
- 1 parallelogram
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 4 unequal parts
- 1 rectangle divided into fourths

- 1 rectangle divided into halves
- 1 rectangle divided into thirds
- 1 rectangle representing $\frac{1}{10}$
- 1 rectangle representing $\frac{1}{3}$
- 1 rectangle representing $\frac{1}{4}$
- 1 rectangle representing $\frac{1}{8}$
- 1 rectangle representing $\frac{10}{10}$
- 1 rectangle representing $\frac{2}{3}$
- 1 rectangle representing $\frac{2}{4}$
- 1 rectangle representing $\frac{2}{5}$
- 1 rectangle representing $\frac{2}{8}$
- 1 rectangle representing $\frac{3}{3}$
- 1 rectangle representing $\frac{3}{4}$
- 1 rectangle representing $\frac{3}{8}$
- 1 rectangle representing $\frac{4}{10}$
- 1 rectangle representing $\frac{4}{4}$
- 1 rectangle representing $\frac{5}{10}$
- 1 rectangle representing $\frac{6}{8}$
- 1 rectangle representing $\frac{7}{10}$
- 1 rectangle representing $\frac{8}{10}$
- 1 rectangle divided into 2 unequal parts
- 1 rectangular prism
- 1 rectangular prism measuring $3 \times 2 \times 2$
- 1 rectangular prism with discernible cubic units measuring $2 \times 1 \times 2$
- 1 rectangular prism with discernible cubic units measuring $3 \times 1 \times 1$
- 1 rectangular prism with discernible cubic units measuring $3 \times 1 \times 2$
- 1 rectangular prism with discernible cubic units measuring $4 \times 1 \times 1$
- 1 rectangular prism with discernible cubic units measuring $4 \times 1 \times 2$
- 1 regular pentagon
- 1 rhombus
- 1 six-inch object
- 1 six-pound object
- 1 small pentagon
- 1 small pyramid
- 1 small rectangle
- 1 small right triangle
- 1 square divided into 2 unequal parts
- 1 square divided into 3 unequal parts
- 1 square divided into fourths
- 1 square divided into halves
- 1 square representing $\frac{1}{2}$

- 1 square representing $\frac{1}{3}$
- 1 square representing $\frac{3}{4}$
- 1 tactile material to create groups
- 1 tactile table
- 1 three-inch object
- 1 toolbox in the shape of a rectangular prism
- 1 triangular prism
- 1 twelve-pound object
- 2 circles divided into 2 unequal parts
- 2 circles divided into 3 unequal parts
- 2 congruent ellipses
- 2 congruent hexagons
- 2 congruent right triangles
- 2 congruent stars
- 2 congruent trapezoids
- 2 greater than/less than signs
- 2 identical rectangular prisms
- 2 isosceles triangles of which 1 is acute and 1 is right
- 2 large squares
- 2 large triangles
- 2 medium rectangles
- 2 medium squares
- 2 quarters
- 2 similar cones of which 1 is large and 1 is small
- 2 similar hexagons
- 2 similar rectangular prisms of which 1 is large and 1 is small
- 2 small squares
- 2 spheres of which 1 is large and 1 is small
- 2 squares divided into 4 unequal parts
- 2 tactile digital clocks
- 3 congruent circles
- 3 congruent squares
- 3 containers with 4 compartments each
- 3 cubes of which 1 is large and 2 are small & congruent
- 3 cylinders of which 2 are small & congruent and 1 is large & similar
- 3 heavy objects
- 3 large circles
- 3 light objects
- 3 medium circles
- 3 medium-height objects
- 3 medium-weight objects

- 3 tactile analog clocks
- 3 tactile bar graphs
- 3 tactile number lines
- 3 tactile picture graphs
- 3 tall objects
- 4 congruent pentagons
- 4 congruent rectangles
- 4 containers with 10 compartments each
- 4 containers with 8 compartments each
- 4 hexagons of varying sizes
- 4 tactile line plots
- 5 nickels
- 6 medium equilateral triangles
- 6 non-money objects
- 6 small circles
- 7 dimes
- 7 object Bs
- 10 object Cs
- 10 pennies
- 21 ones
- 22 tens
- 30 connecting cubes
- 34 blocks
- 42 object As of which at least 3 are long, 3 are medium length, and 3 are short
- tactile numbers

Common Materials Used to Administer Testlets for Grade 6

- 1 bag
- 1 bowl
- 1 empty box of tea bags
- 1 empty shoe box
- 1 empty tissue box
- 1 large box
- 1 rubber band (or piece of string)
- 1 small cup
- 2 identical 12-count packs of pens
- 2 packs of gum
- 2 paper plates of which 1 is whole and 1 is in parts
- 2 plastic cups
- 3 blocks that vary in size
- 3 empty rectangular containers of any size
- 4 books of which 2 are hard cover and 2 are soft cover
- 4 sponges varying in size of which 2 are dry and 2 are wet
- 5 game cards
- 5 paper cups
- 6 erasers
- 6 glue sticks
- 7 pieces of chalk
- 7 wooden craft sticks
- 8 colored pencils
- 8 folders
- 8 markers
- 8 paintbrushes
- 8 pencils of which at least 3 vary in length
- 8 rulers
- 9 crayons
- 9 index cards of which 8 are whole and 1 is in parts
- 12 connecting cubes
- 200 one-inch unit 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 3 unequal parts
- 1 circle divided into halves
- 1 circle representing $\frac{1}{10}$
- 1 circle representing $\frac{1}{3}$
- 1 circle representing $\frac{1}{4}$
- 1 container with 10 compartments
- 1 container with 4 compartments
- 1 continuous substance
- 1 hexagon
- 1 rectangle divided into 4 equal parts
- 1 rectangle measuring 1×2
- 1 rectangle measuring $\frac{1}{3} \times 3$
- 1 rectangle measuring 10×12
- 1 rectangle measuring 5×7
- 1 rectangle measuring 6×10
- 1 rectangle measuring 8×9
- 1 rectangle representing $\frac{1}{2}$
- 1 rectangle with 1 half shaded
- 1 rectangle with discernible square units measuring 2×3
- 1 rectangle with discernible square units measuring 2×6
- 1 rectangle with discernible square units measuring 3×4
- 1 rectangle with discernible square units measuring 3×5
- 1 rectangle with discernible square units measuring 4×5
- 1 rectangle with discernible square units measuring 4×6
- 1 rectangle with discernible square units measuring 4×7
- 1 rectangle with the area shaded
- 1 rectangle with the border shaded
- 1 rectangular prism measuring $4 \times 3 \times 2$
- 1 rectangular prism measuring $5 \times 4 \times 3$
- 1 rectangular prism with discernible cubic units measuring $2 \times 2 \times 1$
- 1 rectangular prism with discernible cubic units measuring $3 \times 2 \times 1$
- 1 rectangular prism with discernible cubic units measuring $4 \times 3 \times 1$
- 1 rectangular prism with discernible cubic units measuring $6 \times 4 \times 1$
- 1 square divided into halves
- 1 square measuring 1×1
- 1 square measuring 2×2
- 1 square representing $\frac{1}{3}$
- 1 square representing $\frac{1}{4}$

- 1 square representing $\frac{3}{4}$
- 1 square with discernible square units measuring 3×3
- 1 square with discernible square units measuring 5×5
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 unit cube
- 2 circles divided into 2 unequal parts
- 2 rectangles divided into 4 unequal parts
- 2 squares divided into 2 unequal parts
- 2 squares of which 1 is small and 1 is large
- 2 squares representing $\frac{1}{2}$
- 2 subtraction signs
- 2 tactile line plots
- 3 containers with 3 compartments each
- 3 equals signs
- 3 tactile line graphs
- 3 tactile number lines
- 3 tactile thermometers
- 4 addition signs
- 6 identical containers
- 6 tactile bar graphs
- 14 object Bs
- 40 object As

Common Materials Used to Administer Testlets for Grade 7

- 1 basket
- 1 box
- 1 calculator
- 1 closed container
- 1 deck of cards
- 1 empty container
- 1 full container
- 1 large container
- 1 open container
- 1 rubber band (or piece of string)
- 1 ruler
- 2 books of which 1 is hardcover and 1 is softcover
- 2 bowls of which 1 is large and 1 is small
- 2 identical 12-count boxes of colored pencils
- 2 identical erasers
- 2 identical highlighters familiar to the student
- 2 identical notebooks
- 2 identical notecards
- 2 large blocks
- 2 pieces of paper of which 1 is smooth and 1 is crumpled
- 2 round blocks
- 2 small blocks
- 2 square blocks
- 3 balls of which 1 is large & hard, 1 is large & soft, and 1 is small & hard
- 3 objects used to conceal (e.g., cups, towels) the other objects
- 3 strings that vary in length
- 4 circles of which 2 are large and 2 are small
- 5 craft sticks
- 5 glue sticks
- 5 markers
- 5 paintbrushes
- 5 paper cups of which at least 1 is large, 1 is small, and 2 are identical
- 5 pens
- 5 sponges of which at least 1 is dry and 1 is wet
- 6 crayons
- 7 dominoes
- 7 pencils of which at least 1 is long, 1 is short, 1 is a different length, and 2 are identical

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

- 1 arrow
- 1 circle divided into 3 unequal parts
- 1 circle divided into fourths
- 1 circle divided into halves
- 1 circle representing $\frac{2}{4}$
- 1 circle representing $\frac{3}{4}$
- 1 container with 2 compartments
- 1 curved line segment
- 1 equal-to sign
- 1 irregular pentagon
- 1 large circle
- 1 large cone
- 1 large cube
- 1 large cylinder
- 1 large pentagon
- 1 large rectangular prism
- 1 large right triangle
- 1 line
- 1 line segment
- 1 medium circle
- 1 medium isosceles triangle
- 1 medium pentagon
- 1 medium right triangle
- 1 medium scalene triangle
- 1 medium square
- 1 object of type G
- 1 object of type I
- 1 octagon
- 1 point
- 1 ray
- 1 rectangle divided into tenths
- 1 rectangle measuring 5 x 10
- 1 rectangle measuring 7 x 3
- 1 rectangle representing $\frac{3}{10}$
- 1 rectangle representing $\frac{6}{10}$
- 1 rectangle representing $\frac{7}{10}$
- 1 rectangle with discernible square units measuring 2 x 4
- 1 rectangle with discernible square units measuring 3 x 2

- 1 rectangle with discernible square units measuring 4 x 3
- 1 rectangle with discernible square units measuring 5 x 4
- 1 rectangle with the 2 long sides indicated
- 1 rectangle with the area indicated
- 1 rectangle with the length indicated
- 1 rectangle with the perimeter indicated
- 1 small circle
- 1 small cone
- 1 small pentagon
- 1 small rectangle
- 1 small right triangle
- 1 square with discernible square units measuring 5 x 5
- 1 star
- 1 tactile material to create groups
- 1 tactile number line
- 1 tactile picture graph
- 1 tactile spinner
- 1 wavy line
- 2 circles divided into 2 unequal parts
- 2 congruent circles
- 2 congruent cones
- 2 congruent cubes
- 2 congruent cylinders
- 2 congruent rectangles
- 2 congruent rectangular prisms
- 2 congruent right triangles
- 2 ellipses of which 1 is large and 1 is small
- 2 greater than/less than signs
- 2 hexagons of which 1 is large and 1 is small
- 2 medium rectangles
- 2 objects of type C
- 2 objects of type E
- 2 objects of type F
- 2 objects of type H
- 2 parallelograms of which 1 is medium and 1 is small
- 2 rectangles representing $\frac{4}{10}$
- 2 regular pentagons
- 2 rhombi of which 1 is medium and 1 is small
- 2 small cubes
- 2 small cylinders
- 2 small rectangular prisms

- 2 small spheres
- 2 squares of which 1 is large and 1 is small
- 2 subtraction signs
- 2 tetrahedrons
- 2 trapezoids of which 1 is medium and 1 is small
- 2 triangular prisms of which at least 1 is small
- 3 circles representing $\frac{1}{4}$
- 3 containers with 10 compartments each
- 3 containers with 3 compartments each
- 3 containers with 4 compartments each
- 3 containers with 5 compartments each
- 3 containers with 6 compartments each
- 3 containers with 8 compartments each
- 3 pyramids of which 1 is large and 2 are small
- 3 tactile bar graphs
- 3 tactile coordinate grids
- 3 tactile line plots
- 4 addition signs
- 4 equilateral triangles of which 1 is large, 2 are medium, and 1 is small
- 4 sets of objects where each set contains 1 whole object and 1 part of an identical object (objects A–D)
- 5 angles of which 1 is straight, 1 is obtuse, 1 is right, and 1 is acute
- 5 number cubes of which at least 1 is six sided
- 11 object Bs
- 15 blocks of which 5 are large & circular, 3 are large & square, 2 are large & triangular, 2 are rectangular, 1 is heart shaped, 1 is medium & triangular, and 1 is small & square
- 62 object As of which 55 are whole and 7 are in pieces

Common Materials Used to Administer Testlets for Grade 8

- 1 clear pencil case or plastic bag
- 1 key ring
- 1 rubber band (or piece of string)
- 2 baskets of which 1 is large and 1 is small
- 2 bowls of which 1 is large and 1 is small
- 2 circles of which 1 is large and 1 is small
- 2 connecting cubes
- 2 containers of which 1 is closed and 1 is open
- 2 identical balls
- 2 identical calculators
- 2 identical glue sticks
- 2 notebooks
- 2 pieces of construction paper of which 1 is large and 1 is small
- 2 plastic cups of which 1 is large and 1 is small
- 2 squares of which 1 is large and 1 is small
- 3 books that vary in size
- 3 boxes of which 1 is large & closed, 1 is large & open, and 1 is small & open
- 3 circles that vary in size
- 3 pieces of paper that vary in size
- 3 triangles that vary in size
- 4 rectangles of which 2 are large and 2 are small
- 4 ribbons of which 2 are long & identical and 2 are short & identical
- 4 sponges of which 2 are wet and 2 are dry
- 5 blocks of which at least 2 are identical
- 5 colored pencils
- 5 keys
- 5 markers of which at least 2 are identical
- 5 pens of which at least 2 are identical
- 5 pom-poms
- 6 craft sticks of which at least 3 vary in size
- 6 crayons of which at least 3 vary in length and 2 are identical
- 6 pencils of which at least 2 are long, 2 are short, 1 is a different length, and 2 are identical
- 7 paintbrushes
- 8 checkers
- 8 erasers of which at least 1 is large and 1 is small
- 8 highlighters
- 8 small paper cups

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

- 1 angle measuring 10 degrees
- 1 angle measuring 20 degrees
- 1 angle measuring 50 degrees
- 1 angle measuring 60 degrees
- 1 angle measuring 70 degrees
- 1 angle measuring 80 degrees
- 1 arc
- 1 arrow
- 1 circle representing $\frac{1}{2}$
- 1 circle representing $\frac{1}{3}$
- 1 circle representing $\frac{4}{4}$
- 1 circle representing $\frac{6}{8}$
- 1 colon
- 1 container of 6 object As
- 1 dollar sign
- 1 exclamation point
- 1 fraction bar
- 1 large hexagon
- 1 large octagon
- 1 large right isosceles triangle
- 1 large sphere
- 1 large triangular prism
- 1 medium ellipse
- 1 medium hexagon
- 1 object A separate from the container
- 1 object with a measurable attribute of height
- 1 object with a measurable attribute of length
- 1 object with a measurable attribute of weight
- 1 object with the measurable attribute of area
- 1 object with the measurable attribute of length
- 1 object with the measurable attribute of perimeter
- 1 object with the measurable attribute of volume
- 1 obtuse angle
- 1 pair of adjacent angles forming an acute angle
- 1 pair of complementary angles
- 1 pair of supplementary angles
- 1 point
- 1 ray

- 1 rectangle measuring 10 x 7
- 1 rectangle measuring 12 x 9
- 1 rectangle measuring 18 x 9
- 1 rectangle measuring 3 x 4
- 1 rectangle measuring 3 x 7
- 1 rectangle measuring 4 x 2
- 1 rectangle measuring 6 x 5
- 1 rectangle measuring 6 x 7
- 1 rectangle measuring 9 x 3
- 1 rectangle representing $\frac{10}{10}$
- 1 rectangle representing $\frac{3}{4}$
- 1 rectangle representing $\frac{3}{8}$
- 1 rectangle representing $\frac{4}{4}$
- 1 rectangle representing $\frac{4}{6}$
- 1 rectangle representing $\frac{4}{8}$
- 1 rectangle representing $\frac{6}{8}$
- 1 rectangle representing $\frac{8}{8}$
- 1 rectangular prism measuring 3 x 3 x 6
- 1 rectangular prism measuring 3 x 4 x 8
- 1 rectangular prism measuring 6 x 10 x 5
- 1 rectangular prism measuring 6 x 4 x 2
- 1 rectangular prism measuring 9 x 6 x 8
- 1 set of 30 identical objects
- 1 small cone
- 1 small equilateral triangle
- 1 small hexagon
- 1 small rectangular prism
- 1 tactile line plot
- 1 tactile material to create groups
- 2 angles measuring 30 degrees
- 2 angles measuring 40 degrees
- 2 circles representing $\frac{2}{8}$
- 2 circles representing $\frac{4}{8}$
- 2 congruent ellipses
- 2 congruent hearts
- 2 congruent hexagons
- 2 congruent large right triangles
- 2 congruent small right triangles
- 2 congruent stars
- 2 greater than/less than signs
- 2 parallelograms of which 1 is medium and 1 is small

- 2 pyramids of which 1 is large and 1 is small
- 2 rectangles representing $\frac{1}{4}$
- 2 rectangles representing $\frac{2}{4}$
- 2 rectangles representing $\frac{2}{8}$
- 2 rhombi of which 1 is large and 1 is small
- 2 right angles
- 2 similar cubes of which 1 is large and 1 is medium
- 2 similar cylinders
- 2 similar right scalene triangles of which 1 is large and 1 is small
- 2 subtraction signs
- 3 congruent right isosceles triangles
- 3 equals signs
- 3 materials to indicate part of the number
- 3 tactile bar graphs
- 3 tactile function graphs
- 3 tactile function tables
- 3 tactile picture graphs
- 3 tactile tally charts
- 4 addition signs
- 4 congruent right scalene triangles
- 4 containers with 10 compartments each
- 4 pentagons of which 1 is large & similar, 2 are medium & congruent, and 1 is small & similar
- 4 tactile coordinate planes
- 5 circles of which 4 are medium & congruent and 1 is small
- 5 line segments of which 1 is long, 2 are medium & congruent, and 1 is short
- 5 sets of objects where each set contains 1 whole object and 1 part of an identical object (objects A–E)
- 5 squares of which 2 are large & congruent, 1 is medium, and 2 are small & congruent
- 6 medium triangles of which 1 is equilateral, 2 are right isosceles & congruent, and 3 are right scalene & congruent
- 6 rectangles of which 3 are large & congruent, 2 are medium & congruent, 1 is small, and at least 2 are similar
- 6 tactile decimals
- 6 tactile tables
- 6 trapezoids of which 2 are large & congruent, 1 is medium & similar, and 3 are small & congruent
- 8 lines
- 40 object As of which at least 2 are identical
- tactile numbers and decimals

Common Materials Used to Administer Testlets for High School

- 1 bottle
- 1 hexagon
- 1 large bowl
- 1 rubber band (or piece of string)
- 1 yardstick
- 2 counter chips
- 2 crumpled pieces of paper
- 2 cubes of which 1 is small and 1 is large
- 2 folded pieces of paper
- 2 game cards
- 2 identical bowls
- 2 identical cups
- 2 identical flat pieces of paper
- 2 identical highlighters
- 2 identical notebooks
- 2 identical number cubes
- 2 identical plates
- 2 identical rulers
- 2 plates varying in size
- 2 smooth pieces of paper
- 2 squares
- 2 strings of which 1 is long and 1 is short
- 3 containers that vary in size of which 1 is large
- 3 cups that vary in size of which 1 is large and 1 is small
- 3 dominoes
- 3 pieces of paper that vary in size
- 3 pom-poms that vary in size
- 3 sponges of which 2 are identical & dry and 1 is wet
- 3 strips of paper that vary in length
- 4 boxes of which 2 are open and 2 are closed
- 4 containers of which 2 are open and 2 are closed
- 4 jars of which 2 are full & vary in size and 2 are empty & vary in size
- 4 straws of which 2 are bent & vary in size and 2 are straight & vary in size
- 5 books of which at least 2 are large and 2 are small
- 5 colored pencils
- 5 index cards
- 5 tiles
- 6 craft sticks of which at least 2 are identical

- 6 erasers of which at least 4 are neither too large or too small to easily subitize by touch or sight
- 6 glue sticks of which at least 2 are identical
- 6 pencils of which at least 1 is long & dull, 1 is long & sharpened, 1 is short & sharpened, and 2 are identical
- 6 pens of which at least 2 are identical
- 7 blocks of which at least 2 are identical and 3 vary in size
- 7 checkers
- 7 cotton balls
- 7 folders
- 7 keys
- 7 markers of which at least 2 are identical
- 8 crayons of which at least 2 are identical
- 9 coins

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

- 1 arrow
- 1 circular object
- 1 cone net
- 1 cube net
- 1 cylinder net
- 1 cylindrical object
- 1 equal-to symbol
- 1 hundred
- 1 large cylinder
- 1 large similar trapezoid
- 1 line
- 1 line segment
- 1 medium similar cylinder
- 1 medium trapezoid
- 1 number cube
- 1 obtuse isosceles triangle
- 1 point
- 1 quarter
- 1 ray
- 1 rectangle measuring 3 x 4
- 1 rectangle measuring 6 x 10
- 1 rectangle measuring 6 x 12
- 1 rectangle measuring 7 x 3
- 1 rectangle measuring 9 feet x 10 feet
- 1 rectangle measuring 9 x 6
- 1 rectangle measuring 9 x 8
- 1 rectangle with discernible square units measuring 3 x 5
- 1 rectangle with discernible square units measuring 6 x 4
- 1 rectangular object
- 1 rectangular prism net
- 1 right isosceles triangle
- 1 set of non-perpendicular intersecting line segments
- 1 set of parallel line segments
- 1 set of parallel lines
- 1 set of perpendicular line segments
- 1 set of perpendicular lines
- 1 small rhombus
- 1 small trapezoid

- 1 spherical object
- 1 square measuring 3 units x 3 units
- 1 subtraction symbol
- 1 tactile material to create groups
- 1 tactile spinner
- 1 tactile table
- 1 ten
- 1 thousand
- 1 triangular object
- 1 triangular prism net
- 2 congruent cones
- 2 congruent cylinders
- 2 congruent parallelograms
- 2 congruent rectangles
- 2 congruent rectangular prisms
- 2 congruent rhombi
- 2 congruent triangular prisms
- 2 large congruent trapezoids
- 2 large rectangles
- 2 medium congruent right scalene triangles
- 2 sets of non-perpendicular intersecting lines
- 2 similar cones
- 2 similar equilateral triangles of which 1 is medium and 1 is large
- 2 similar hexagons of which 1 is large and 1 is medium
- 2 similar isosceles triangles of which 1 is large and 1 is small
- 2 similar octagons of which 1 is large and 1 is medium
- 2 similar right scalene triangles of which 1 is large and 1 is small
- 2 similar spheres of which 1 is large and 1 is medium
- 2 small congruent hearts
- 2 small congruent stars
- 2 small congruent triangles
- 2 small rectangles
- 2 tactile coordinate planes
- 3 angles of which 1 is acute, 1 is obtuse, and 1 is right
- 3 congruent trapezoids
- 3 cubes of which 1 is large, 1 is medium, and 1 is small
- 3 tactile bar graphs
- 3 tactile coordinate grids
- 3 tactile line graphs
- 3 tactile line plots
- 3 tactile number lines

- 3 tactile picture graphs
- 3 tactile pie charts
- 4 addition signs
- 4 circles of which 1 is large, 1 is medium, and 2 are small & congruent
- 4 ellipses of which 1 is large, 2 are medium & congruent, and 1 is small
- 4 greater/less than signs
- 4 pentagons of which 1 is large, 2 are medium & congruent, and 1 is small & similar
- 4 playing cards
- 4 pyramids of which 1 is tall, 1 is medium, 1 is small & short, and 1 is large, short, & similar
- 4 tactile function tables
- 5 squares of which 3 are large & congruent and 2 are small & congruent
- 7 tactile function graphs
- 13 long, thin rectangular prisms
- 18 ones
- 39 object As
- 65 objects
- tactile letters and numbers