



Mathematics Materials Collections

2025–2026 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 box (one foot or longer)
- 1 domino
- 1 large cup
- 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 small cup
- 1 small open box
- 1 sponge
- 1 string (one foot or longer)
- 1 yardstick
- 2 baskets
- 2 clear cups
- 2 closed boxes of which 1 is large and 1 is small
- 2 fraction pizzas
- 2 identical 10-count packs of markers
- 2 identical 8-count boxes of crayons
- 2 identical buttons
- 2 identical markers with easily removable lids
- 2 pens
- 5 cards
- 5 glue sticks
- 6 craft sticks
- 6 rulers
- 8 erasers
- 8 pencils of which at least 2 are identical, 1 is long, and 1 is short
- 30 blocks
- 30 counting chips
- 30 small cubes
- 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 addition symbol
- 1 circle cut into 3 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 $\frac{1}{6}$
- 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 of 8 object As
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 continuous substance
- 1 eight-inch object
- 1 ellipse
- 1 equal sign
- 1 five-foot object
- 1 five-inch object
- 1 four-inch object
- 1 hundred
- 1 large rectangle divided into parts
- 1 large rhombus
- 1 large square divided into parts
- 1 large triangle divided into parts
- 1 medium isosceles triangle
- 1 object A separate from the container
- 1 object with the measurable attribute of length but not area or weight
- 1 octagon
- 1 parallelogram
- 1 part of an identical object B
- 1 pentagon

- 1 rectangle divided into 2 equal rows and 2 equal columns
- 1 rectangle divided into 2 equal rows and 2 unequal columns
- 1 rectangle divided into 2 equal rows and 4 unequal columns
- 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 6 unequal parts
- 1 rectangle divided into 8 equal parts
- 1 rectangle divided into halves
- 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 $\frac{3}{4}$
- 1 rectangle representing $\frac{6}{8}$
- 1 seven-inch object
- 1 short object C
- 1 six-inch object
- 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 $\frac{1}{5}$
- 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 subtraction symbol
- 1 tactile bar graph
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 tactile tape measure
- 1 thousand
- 1 three-foot object

- 1 three-inch object
- 1 trapezoid
- 1 triangle cut into 3 unequal parts
- 1 triangle divided into halves
- 1 two-inch object
- 2 circles divided into 2 unequal parts
- 2 congruent circles divided into halves
- 2 hearts of which 1 is whole and 1 is divided into halves
- 2 hexagons of which 1 is whole and 1 is cut into halves
- 2 large containers
- 2 object Bs of which 1 is long and 1 is short
- 2 object Ds of which 1 is long and 1 is short
- 2 rectangles divided into 4 unequal parts
- 2 right triangles of which 1 is large and 1 is medium
- 2 sets of objects where each set contains 1 object in 2 pieces and 2 whole objects
- 2 squares divided into unequal parts
- 3 sets of objects where each set contains 2 objects in 2 pieces and 1 whole object
- 3 tactile rulers
- 4 dimes
- 4 identical containers
- 5 ten-dollar bills
- 6 pairs of identical objects that represent 3 common everyday patterns (i.e., 2 pairs of objects for each pattern)
- 6 rectangles of which 2 are large & congruent, 3 are medium & congruent, and 1 is small
- 8 squares of which 2 are large & congruent, 3 are medium & congruent, and 3 are small
- 9 circles of which 3 are large & congruent, 3 are medium & congruent, and 3 are small & congruent
- 9 equilateral triangles of which 3 are large & congruent, 3 are medium & congruent, and 3 are small & congruent
- 11 identical object Bs
- 12 tactile digital clocks
- 13 tens
- 18 ones
- 60 object As of which at least 11 are identical, 1 is long, and 1 is short
- 77 objects of which at least 24 are identical
- tactile numbers

Common Materials Used to Administer Testlets for Grade 4

- 1 balance scale
- 1 box of crayons
- 1 clear 4-cup measuring cup with the number of cups clearly marked
- 1 half-gallon pitcher and water to fill it
- 1 notebook
- 1 number cube
- 1 piece of chalk
- 1 piece of sandpaper
- 1 rubber band (or piece of string)
- 1 small empty cup
- 2 books of which 1 is thick and 1 is thin
- 2 folders of which 1 is whole and 1 is in parts
- 2 identical 6-count boxes of microwave popcorn
- 2 identical chenille stems
- 2 identical cubes
- 2 identical cups
- 2 identical fraction pizzas
- 2 identical gloves
- 2 identical long pencils
- 2 identical pieces of brown construction paper
- 2 identical puzzles
- 2 index cards of which 1 is whole and 1 is in parts
- 2 large cups of which 1 is filled with counters
- 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 plates of which 1 is large and 1 is small
- 2 ribbons of which 1 is whole and 1 is in parts
- 2 sharpened pencils of which 1 is long and 1 is short
- 2 shoe boxes
- 2 short pencils
- 2 unsharpened pencils of which at least 1 is long
- 3 boxes of which 1 is large, 1 is medium, and 1 is small
- 3 chenille stems that vary in length
- 4 pieces of string of which 2 are long and 2 are short
- 6 checkers

- 6 crayons
- 6 pencils
- 6 pom-poms
- 7 blocks of which at least 2 are identical
- 7 cotton swabs
- 7 craft sticks of which at least 3 vary in length
- 7 erasers
- 7 glue sticks of which at least 2 are identical
- 7 markers
- 8 counter chips
- connecting cubes to measure volume (at least 9)
- dominoes to measure mass (at least 8)
- food coloring

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 sixths
- 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 $\frac{2}{2}$
- 1 circle representing $\frac{2}{4}$
- 1 circle representing $\frac{3}{10}$
- 1 circle representing $\frac{3}{3}$
- 1 circle representing $\frac{3}{4}$
- 1 circle representing $\frac{4}{4}$
- 1 container 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 cube measuring 1 x 1 x 1
- 1 curved line segment
- 1 ellipse
- 1 half heart
- 1 heart divided into 2 unequal parts
- 1 heart divided into 2 unequal parts with 1 part missing
- 1 hexagon divided into halves
- 1 hexagon with side lengths of 1 unit
- 1 hundred
- 1 large circle divided into halves
- 1 line
- 1 line segment
- 1 long rectangle
- 1 long rectangle divided into fourths

- 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 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 part of an identical object B
- 1 penny
- 1 quarter
- 1 ray
- 1 rectangle divided into 2 equal rows and 3 equal columns
- 1 rectangle divided into 2 equal rows and 4 equal columns
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 2 unequal rows and 4 equal columns
- 1 rectangle divided into 4 equal columns
- 1 rectangle divided into 4 unequal columns
- 1 rectangle divided into 5 equal columns
- 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 $\frac{1}{8}$
- 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 discernable square units measuring 3×4
- 1 rectangle with discernable square units measuring 3×2
- 1 rectangle with discernable square units measuring 3×6
- 1 rectangle with discernable square units measuring 3×7

- 1 rectangle with discernible square units measuring 5 x 3
- 1 rectangle with discernible square units measuring 6 x 2
- 1 rectangle with discernible 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 divided into 2 equilateral triangles
- 1 set of 10 different objects (objects A–J)
- 1 set of angled line segments
- 1 set of angled lines
- 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 3 unequal parts
- 1 square divided into fourths
- 1 square divided into halves
- 1 square divided into thirds
- 1 square measuring 1 x 1
- 1 square measuring 2 x 2
- 1 square measuring 4 x 4
- 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 square with discernable square units measuring 4 x 4
- 1 square with discernable square units measuring 5 x 5
- 1 tactile equals sign
- 1 tactile line graph
- 1 tactile material to create groups
- 1 tactile multiplication sign
- 1 tactile picture graph
- 1 tactile point
- 1 tactile subtraction sign

- 1 trapezoid divided into 2 unequal parts
- 1 triangle divided into 2 unequal parts
- 1 triangle divided into halves
- 1 whole heart
- 1 wide rectangle
- 2 circles divided into unequal parts
- 2 circles representing tenths
- 2 greater than/less than signs
- 2 half circles
- 2 identical object Es
- 2 identical object Fs
- 2 identical rectangles
- 2 parallelograms of which 1 is whole and 1 is divided into 2 equal parts
- 2 pentagons of which 1 is whole and 1 is divided into 2 unequal parts
- 2 rectangular-shaped objects
- 2 sets of intersecting line segments of which 1 is perpendicular and 1 is non-perpendicular
- 2 sets of intersecting lines of which 1 is perpendicular and 1 is non-perpendicular
- 2 sets of parallel lines
- 2 tactile bar graphs
- 3 balance scales
- 3 identical objects with a weight equal to 5 cube weights
- 3 tactile digital clocks
- 3 tactile number lines
- 4 rhombi
- 4 ten-dollar bills
- 4 trapezoids of which at least 3 are congruent
- 5 dimes
- 6 identical containers
- 6 object Ds of which at least 2 are identical
- 6 small identical objects
- 6 squares
- 6 tactile analog clocks
- 6 triangles of which at least 3 are equilateral & congruent
- 7 circles of which at least 1 is large and 2 are small & congruent
- 7 identical object Cs
- 13 angles of which 3 are obtuse, 3 are right, and 7 are acute

- 13 identical object Bs
- 13 tens
- 14 cube weights
- 30 object As of which at least 25 are identical
- 32 objects
- 32 ones
- tactile letters of which at least 1 is A and 1 is B

Common Materials Used to Administer Testlets for Grade 5

- 1 basket
- 1 container (one foot or longer)
- 1 long unsharpened pencil
- 1 pencil box
- 1 piece of yarn (2 feet long or longer)
- 1 plastic bottle (one pound or heavier)
- 1 rubber band (or piece of string)
- 1 scale
- 1 teacher's manual
- 1 tissue box
- 1 tray
- 1 yardstick (or tape measure)
- 2 boxes of which 1 is full and 1 is empty
- 2 cubes of which 1 is large and 1 is small
- 2 identical crayons
- 2 identical pieces of paper
- 2 identical rulers
- 2 jars
- 2 pieces of chalk
- 2 sponges of which 1 is dry and 1 is wet
- 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
- 4 sharpened pencils of which 2 are long and 2 are short
- 5 bowls
- 5 plates
- 6 books of which at least 1 weighs at least 1 pound
- 6 counters
- 6 markers of which at least 1 is less than a foot long
- 6 number cubes
- 6 paintbrushes
- 6 playing cards
- 7 chenille stems of which 6 are straight and 1 is bent

- 7 cups of which at least 1 is large and 1 is small
- 7 erasers of which at least 2 are identical and 1 is less than a pound
- 7 pencils of which at least 2 are identical
- 7 pennies
- 7 puzzle pieces
- 50 unit cubes

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

- 1 basket
- 1 box
- 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 $\frac{1}{5}$
- 1 circle representing $\frac{1}{8}$
- 1 circle representing $\frac{2}{2}$
- 1 circle representing $\frac{2}{3}$
- 1 circle representing $\frac{3}{10}$
- 1 circle representing $\frac{3}{3}$
- 1 circle representing $\frac{3}{4}$
- 1 circle representing $\frac{4}{10}$
- 1 circle representing $\frac{4}{4}$
- 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 ellipse
- 1 equilateral triangle divided into 2 unequal parts
- 1 equilateral triangle divided into 3 unequal parts
- 1 equilateral triangle divided into halves

- 1 hexagon
- 1 hundred
- 1 large rectangle
- 1 line segment
- 1 measuring cup
- 1 medium cylinder
- 1 medium pyramid
- 1 medium rectangle
- 1 notebook
- 1 object about 3 times the length of a short object
- 1 object about 4 times the length of a short object
- 1 object about 4 times the size of a small object
- 1 object about 5 times the length of a short object
- 1 object about 8 times the size of a small object
- 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 divided into 2 unequal parts
- 1 pentagon divided into 3 unequal parts
- 1 pentagon divided into halves
- 1 rectangle cut into 2 equal parts
- 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 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 $\frac{2}{10}$
- 1 rectangle representing $\frac{2}{4}$
- 1 rectangle representing $\frac{2}{6}$
- 1 rectangle representing $\frac{3}{4}$

- 1 rectangle representing $\frac{4}{4}$
- 1 rectangular prism with discernible cubic units measuring $2 \times 2 \times 1$
- 1 rectangular prism with discernible cubic units measuring $3 \times 1 \times 1$
- 1 rectangular prism with discernible cubic units measuring $3 \times 2 \times 1$
- 1 rhombus
- 1 short object
- 1 small cylinder
- 1 small object
- 1 small rectangle
- 1 small triangle
- 1 small triangular prism
- 1 small triangular pyramid
- 1 square cut into 2 equal parts
- 1 square divided into 3 unequal parts
- 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 star
- 1 tactile material to create groups
- 1 tactile number line
- 1 tactile table
- 1 tetrahedron
- 1 thousand
- 2 circles cut into 4 unequal parts
- 2 congruent cylinders
- 2 congruent equilateral triangles
- 2 congruent triangular prisms
- 2 dimes
- 2 greater than/less than signs
- 2 identical large triangles
- 2 identical squares
- 2 quarters
- 2 similar pyramids (1 large and 1 small)
- 2 squares cut into 2 unequal parts
- 2 subtraction signs

- 2 tactile digital clocks
- 3 congruent circles
- 3 congruent pentagons
- 3 congruent rectangles
- 3 congruent right triangles
- 3 congruent trapezoids
- 3 equal to signs
- 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 rectangular prisms of which 1 is medium and 2 are small & congruent
- 3 small circles
- 3 small squares
- 3 spheres of which 1 is large, 1 is medium, and 1 is small
- 3 tactile analog clocks
- 3 tactile bar graphs
- 3 tactile line plots
- 3 tactile picture graphs
- 4 addition signs
- 4 cones of which 1 is large, 1 is medium, and 2 are small & congruent
- 4 containers with 4 compartments each
- 4 cubes of which 1 is large, 1 is medium, and 2 are small & congruent
- 4 various triangles
- 6 object Cs that are not in the form of money
- 8 object Ds
- 10 tens
- 12 containers with 2 compartments each
- 18 object Bs

- 35 ones
- 50 unit cubes
- 53 object As of which at least 32 are identical
- tactile numbers

Common Materials Used to Administer Testlets for Grade 6

- 1 bowl
- 1 clear bag
- 1 craft stick in parts
- 1 crayon in parts
- 1 large basket
- 1 rectangular prism container measuring $3 \times 3 \times 2$
- 1 rectangular prism container measuring $5 \times 7 \times 2$
- 1 rectangular prism container measuring $5 \times 8 \times 2$
- 1 rubber band (or piece of string)
- 10 checkers
- 10 connecting cubes
- 10 erasers
- 10 playing cards
- 2 index cards of which 1 is whole and 1 is in parts
- 2 paper plates of which 1 is whole and 1 is in parts
- 2 small boxes
- 3 pieces of string that vary in length
- 4 straws varying in size of which 2 are bent and 2 are straight
- 5 cups
- 6 blocks of which at least 2 are large and 2 are small
- 6 buttons
- 6 coins
- 6 colored pencils
- 6 highlighters
- 7 craft sticks
- 7 crayons
- 7 number cubes
- 7 paintbrushes
- 7 pencils of which at least 3 vary in length
- 8 pens
- 9 markers
- more than enough unit cubes to fill a $5 \times 8 \times 2$ rectangular prism

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 3 unequal parts
- 1 circle divided into fourths
- 1 circle divided into halves
- 1 circle divided into sixths
- 1 circle divided into thirds
- 1 circle representing $\frac{1}{10}$
- 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 circle representing $\frac{3}{6}$
- 1 circle representing $\frac{4}{10}$
- 1 container with 5 compartments
- 1 continuous substance
- 1 cube with discernible cubic units measuring $2 \times 2 \times 2$
- 1 greater than/less than sign
- 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 halves
- 1 rectangle measuring $\frac{1}{2} \times 2$
- 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 3×6
- 1 rectangle with discernible square units measuring 4×2
- 1 rectangle with discernible square units measuring 4×5
- 1 rectangle with discernible square units measuring 4×7
- 1 rectangle with discernible square units measuring 6×4

- 1 rectangle with its 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 $2 \times 4 \times 1$
- 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 divided into 2 unequal parts
- 1 square divided into 3 unequal parts
- 1 square divided into halves
- 1 square measuring 1×1
- 1 square measuring 2×2
- 1 square representing $\frac{1}{4}$
- 1 square with arrows around the borders
- 1 square with discernible square units measuring 3×3
- 1 square with discernible square units measuring 4×4
- 1 square with discernible square units measuring 6×6
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 unit cube
- 2 circles divided into 4 unequal parts
- 2 circles divided into 6 unequal parts
- 2 containers with 4 compartments each
- 2 degree symbols
- 3 tactile bar graphs
- 3 tactile line plots
- 3 tactile number lines
- 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 object Bs
- 48 object As of which at least 10 are identical

- tactile letters
- tactile numbers

Common Materials Used to Administer Testlets for Grade 7

- 1 basket
- 1 calculator
- 1 hard plastic ruler
- 1 large bowl
- 1 large circular block
- 1 large full tissue box
- 1 paintbrush
- 1 pencil box
- 1 rubber band (or piece of string)
- 1 soft cotton ball
- 1 thin picture book
- 2 books with text of which 1 is thick and 1 is thin
- 2 identical 12-count boxes of chalk
- 2 identical gloves
- 2 identical packs of pencils
- 2 identical paper plates
- 2 identical rulers
- 2 identical socks
- 2 large plates of which 1 is ceramic and 1 is paper
- 2 pieces of paper of which 1 is crumpled and 1 is smooth
- 2 ribbons of which 1 is long and 1 is short
- 2 small plates of which 1 is ceramic and 1 is paper
- 2 small tissue boxes of which 1 is full and 1 is empty
- 2 square blocks of which 1 is large and 1 is small
- 3 objects used to conceal (e.g., cups, towels) the other objects
- 4 sponges of which 2 are dry and 2 are wet
- 5 erasers
- 5 pens
- 6 cups of at least 2 are large and 2 are small
- 6 glue sticks
- 6 pencils of which at least 1 is long, 1 is medium length, and 1 short
- 7 crayons
- 7 markers
- 8 colored pencils
- 8 highlighters

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 heart
- 1 hexagon
- 1 large cylinder
- 1 large equilateral triangle
- 1 large pyramid
- 1 large rectangular prism
- 1 large right triangle
- 1 large square
- 1 line
- 1 medium circle
- 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 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 5×3
- 1 rectangle measuring 5×4
- 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 4×3
- 1 rectangle with discernible square units measuring 6×2
- 1 right isosceles triangle
- 1 right scalene triangle
- 1 small circle
- 1 small cone
- 1 small cube
- 1 small cylinder
- 1 small equilateral triangle
- 1 small octagon
- 1 small oval
- 1 small parallelogram
- 1 small pyramid
- 1 small rectangular prism
- 1 small right triangle
- 1 small trapezoid
- 1 square with discernible square units measuring 2×2
- 1 tactile addition sign
- 1 tactile coordinate grid
- 1 tactile equal sign
- 1 tactile material to create groups
- 1 tactile number line
- 1 tactile picture graph
- 1 tactile subtraction sign
- 1 tetrahedron
- 2 congruent circles
- 2 congruent cones
- 2 congruent cylinders
- 2 congruent equilateral triangles
- 2 congruent isosceles triangles
- 2 congruent pyramids
- 2 congruent rectangular prisms
- 2 congruent squares
- 2 large circles
- 2 rectangles representing $\frac{6}{8}$

- 2 rhombuses of which 1 is large and 1 is small
- 2 tactile greater than/less than signs
- 2 tactile line plots
- 2 triangular prisms of which 1 is large and 1 is small
- 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 pentagons of which 1 is large, 1 is medium, and 1 is small
- 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)
- 4 spheres of which 1 is large, 2 are medium, and 1 is small
- 5 number cubes
- 6 angles of which 2 are obtuse, 2 are right, and 2 are acute
- 12 object Bs
- 48 object As of which at least 20 are identical objects

Common Materials Used to Administer Testlets for Grade 8

- 1 glove
- 1 large circular block
- 1 rubber band (or piece of string)
- 1 shoebox
- 1 small square plate
- 2 closed containers of which 1 is an empty box
- 2 identical 12-count packs of mechanical pencils
- 2 identical bowls
- 2 identical cups
- 2 identical notebooks
- 2 identical pattern blocks
- 2 identical towels
- 2 identical unit cubes
- 2 open boxes of which 1 is filled with paper and 1 is empty
- 2 pieces of paper of which 1 is large and 1 is small
- 2 pieces of string of which 1 is long and 1 is short
- 2 plastic bottles of which 1 is tall and 1 is short
- 2 rectangular blocks of which 1 is large and 1 is small
- 2 ribbons of which 1 is thick and 1 is thin
- 2 round plates of which 1 is large and 1 is small
- 2 sponges of which 1 is dry and 1 is wet
- 3 pencils of which 1 is long, 1 is medium length, and 1 is short
- 3 ribbons that vary in length
- 3 straws
- 4 chenille stems of which 2 are bent and 2 are straight
- 4 containers of which 2 are large and 2 are small
- 4 paper towels of which 2 are dry and 2 are wet
- 5 envelopes
- 5 folders of which at least 2 are identical
- 5 rulers
- 6 blocks
- 6 crayons of which at least 1 is long, 1 is medium length, and 1 is short
- 6 highlighters
- 6 paper clips
- 7 checkers

- 7 erasers of which at least 2 are identical
- 8 colored pencils
- 8 counters of which at least 2 are identical
- 8 game cards
- 8 markers
- 9 craft sticks
- 9 pom-poms of which at least 3 vary in size

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

- 1 arc
- 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 of 6 object As
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 curved line
- 1 curved line segment
- 1 curved ray
- 1 long rectangle
- 1 medium acute isosceles triangle
- 1 medium heart
- 1 medium star
- 1 medium trapezoid
- 1 object A separate from the container
- 1 obtuse angle
- 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 rectangle representing $\frac{10}{10}$
- 1 rectangle representing $\frac{2}{10}$
- 1 rectangle representing $\frac{3}{10}$
- 1 rectangle representing $\frac{5}{10}$
- 1 rectangle representing $\frac{8}{10}$
- 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 set of object As of where the set contains 2 whole objects and 1 part of an identical object
- 1 set of object Bs of where the set contains 1 whole object and 1 part of an identical object
- 1 set of object Cs of where the set contains 1 whole object and 1 part of an identical object
- 1 set of object Ds of where the set contains 1 whole object and 1 part of an identical object
- 1 set of object Es of where the set contains 1 whole object and 1 part of an identical object
- 1 small pyramid
- 1 small trapezoid
- 1 square measuring 6 x 6
- 1 square representing $\frac{4}{8}$
- 1 square representing $\frac{6}{8}$
- 1 square representing $\frac{8}{8}$
- 1 tactile line plot
- 1 tactile material to create groups
- 1 tactile material to create labels
- 2 circles representing $\frac{1}{6}$
- 2 circles representing $\frac{2}{6}$
- 2 congruent lines
- 2 congruent trapezoids
- 2 cubes of which 1 is large and 1 is small
- 2 greater than/less than signs
- 2 large congruent isosceles triangles
- 2 octagons of which 1 is medium and 1 is small
- 2 right angles
- 2 sets of congruent parallel lines
- 2 similar pentagons of which 1 is large and 1 is medium
- 2 squares representing $\frac{2}{8}$
- 2 subtraction symbols
- 2 tactile graphs of which at least 1 is a function graph
- 2 triangular prisms of which 1 is large and 1 is small & similar
- 3 cones of which 1 is large, 1 is medium, and 1 is small
- 3 congruent line segments

- 3 congruent right isosceles triangles
- 3 containers with 10 compartments each
- 3 cylinders of which 1 is large & similar, 1 is medium & similar, and 1 is small & not similar
- 3 different acute angles (approximately 20 degrees, 60 degrees, and 80 degrees)
- 3 equals symbols
- 3 hexagons of which 1 is large, 1 is medium, and 1 is small
- 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 spheres of which 1 is large, 1 is medium, and 1 is small
- 3 tactile bar graphs
- 3 tactile coordinate grids
- 3 tactile function tables
- 3 tactile picture graphs
- 3 tactile tally charts
- 4 addition symbols
- 4 circles of which 1 is large, 2 are medium & congruent, and 1 is small
- 4 ellipses of which 2 are large & congruent, 1 is medium, and 1 is small & similar
- 4 parallelograms of which 1 is large, 2 are medium & congruent, and 1 is small
- 4 rays
- 4 rhombuses of which 1 is large, 2 are medium & congruent, and 1 is small
- 4 sets of objects where each set contains 1 whole object, 1 part of an identical object, and 2 parts of different objects
- 4 tactile coordinate planes
- 5 rectangles of which 2 are large & congruent, 2 are medium & congruent, and 1 is small & similar to the medium
- 5 rectangular prisms of which 2 are large & congruent, 1 is medium, and 2 are small & congruent
- 5 right isosceles triangles of which 1 is large, 2 are medium & congruent, and 2 are small & congruent
- 6 equilateral triangles of which 1 is large, 4 are medium & congruent, and 1 is small
- 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 right scalene triangles of which 3 are medium & congruent and 3 are small & congruent

- 6 squares of which 2 are large & congruent, 2 are medium & congruent, and 2 are small & congruent
- 6 tactile tables
- 42 object As of which at least 10 are identical
- decimal points
- tactile numbers

Common Materials Used to Administer Testlets for High School

- 1 large bin
- 1 large block
- 1 rubber band (or piece of string)
- 1 small basket
- 1 small block
- 1 small rough paper
- 1 towel
- 1 string
- 2 books of which 1 is large and 1 is small
- 2 cloth hats of which 1 is large and 1 is small
- 2 containers of which 1 is full and 1 is empty
- 2 crumpled papers
- 2 identical blocks
- 2 identical dominoes
- 2 identical notebooks
- 2 paper cups of which 1 is large and 1 is small
- 2 pattern blocks
- 2 plastic cups of which 1 is large and 1 is small
- 2 shirts with buttons of which 1 is large and 1 is small
- 2 shirts without buttons of which 1 is large and 1 is small
- 2 smooth pieces of paper of which 1 is large and 1 is small
- 2 sponges of which 1 is dry and 1 is wet
- 2 straw hats of which 1 is large and 1 is small
- 3 calculators of which 1 is graphing and 2 are four-function & identical
- 3 chenille stems
- 3 coins
- 3 number cubes
- 3 pieces of paper that vary in size
- 3 ribbons that vary in length
- 3 water bottles varying in fullness
- 4 rulers of which 2 are long and 2 are short
- 5 craft sticks
- 5 cubes of which at least 2 are large & identical and 2 are small & identical
- 5 erasers of which at least 2 are large, 2 are small, and 2 are identical
- 5 plates of which at least 1 is paper

- 5 pom-poms
- 6 pencils of which at least 2 are long, 1 is medium, 2 are short, and 2 are identical
- 6 pens
- 6 playing cards
- 7 bandages
- 7 buttons
- 7 colored pencils
- 7 glue sticks of which at least 2 are identical
- 7 highlighters
- 7 markers of which at least 2 are identical and 2 vary in width
- 7 straws of which at least 1 is large, 1 is medium, and 1 is small
- 8 bowls of which at least 2 are paper & identical and 3 vary in size
- 8 crayons
- 8 spoons
- 10 checkers of which at least 2 are identical
- 10 index cards

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

- 1 addition symbol
- 1 circular object
- 1 container with 10 compartments
- 1 cube net
- 1 cube net missing a side
- 1 curved rectangle
- 1 cylindrical object
- 1 heart
- 1 hundred
- 1 large right isosceles triangle
- 1 line
- 1 line segment
- 1 medium square
- 1 medium triangle
- 1 number cube
- 1 object D
- 1 parallelogram
- 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 unit squares measuring 5 x 4
- 1 rectangular object
- 1 rectangular prism net
- 1 rhombus

- 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 small equilateral triangle
- 1 small right scalene triangle
- 1 small square
- 1 spherical object
- 1 square that measures 8 x 8
- 1 tactile material for labeling
- 1 tactile material to create groups
- 1 tactile set of adjacent angles
- 1 tactile set of vertical angles
- 1 triangular object
- 1 triangular prism
- 2 congruent rectangles (1 divided in half to make 2 squares)
- 2 congruent stars
- 2 congruent trapezoids
- 2 different objects
- 2 dimes
- 2 identical non-symmetrical flat objects
- 2 large congruent equilateral triangles
- 2 large congruent right scalene triangles
- 2 medium congruent ellipses
- 2 nickels
- 2 octagons of which 1 is large and 1 is small
- 2 pennies
- 2 quarters
- 2 rectangles without discernible unit squares
- 2 semicircles
- 2 similar cubes
- 2 similar hexagons
- 2 similar rectangular prisms
- 2 spheres
- 2 tactile function tables

- 2 tactile line plots
- 3 cylinders of which 2 are congruent and 1 is similar
- 3 large congruent squares
- 3 object Bs
- 3 object Cs
- 3 pentagons of which 1 is large, 1 is medium, and 1 is small
- 3 pyramids of which 2 are large & congruent and 1 is small
- 3 tactile picture graphs
- 3 tactile pie charts
- 3 tactile spinners
- 4 angles of which 1 is straight, 1 is obtuse, 1 is right, and 1 is acute
- 4 cones of which 2 are large & congruent, 1 is medium, and 1 is small
- 4 congruent right scalene triangles
- 4 sets of 5 identical objects
- 4 tactile coordinate planes
- 4 tactile line graphs
- 5 tens
- 6 circles of which 1 is large, 4 are medium & congruent, and 1 is small
- 6 congruent squares
- 6 tactile bar graphs
- 6 tactile number lines
- 7 tactile linear function graphs
- 9 tactile function graphs
- 13 ones
- 14 long, thin congruent rectangular prisms
- 28 object As
- 35 rectangles of which 24 are long & congruent, 1 is large, 6 are medium & congruent, and 4 small & congruent
- 36 stackable objects
- 77 objects