



Mathematics Materials Collections 2025 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 binder
- 1 calculator
- 1 container to hold the 40 objects to use as counters
- 1 craft stick
- 1 crayon box
- 1 crumpled piece of paper
- 1 envelope (less than a foot long)
- 1 folder
- 1 index card (less than a foot long)
- 1 large piece of paper
- 1 large plate
- 1 large tube sock
- 1 long ribbon (one foot or longer)
- 1 long, thin crayon
- 1 long, thick crayon
- 1 paintbrush
- 1 pen
- 1 piece of notebook paper
- 1 piece of string that is 1 foot in length
- 1 piece of string that is 2 feet in length
- 1 piece of string that is 3 feet in length
- 1 rubber band (or piece of string)
- 1 short ribbon
- 1 short, thick crayon
- 1 small ankle sock
- 1 small box
- 1 small piece of paper
- 1 small plate
- 1 smooth piece of paper
- 1 sponge in parts
- 1 straw
- 1 tissue box
- 1 tray

- 1 yardstick with feet clearly marked
- 2 baskets
- 2 gloves
- 2 identical blocks
- 2 identical puzzles with 4 or more pieces
- 2 paper plates of which 1 is whole and 1 is in parts
- 5 books
- 5 glue sticks of which at least 2 are identical
- 6 pencils of which at least 1 is long and 1 is short
- 6 sponges
- 7 chenille sticks
- 7 colored pencils
- 7 cubes of which at least 1 is large and 1 is small
- 7 paper bowls of which 1 is long
- 7 rulers
- 8 crayons of which at least 2 are identical
- 8 cups
- 8 erasers
- 8 markers of which 2 have caps
- 9 checkers
- 9 cotton balls
- 9 dominoes
- 10 connecting cubes
- 40 objects to use as counters
- cards numbered 1 to 30
- dominoes to measure length (enough to measure the binder)
- unit cubes to measure length (enough to measure the folder)

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

- 1 addition sign
- 1 circle divided into 2 unequal parts
- 1 circle divided into 3 unequal parts
- 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 $\frac{1}{2}$
- 1 circle representing $\frac{1}{3}$
- 1 circle representing $\frac{1}{4}$
- 1 circle representing $\frac{1}{10}$
- 1 circle representing $\frac{2}{3}$
- 1 circle representing $\frac{3}{3}$
- 1 circle representing $\frac{3}{4}$
- 1 circle representing $\frac{4}{4}$
- 1 continuous substance
- 1 eight-inch object
- 1 equals sign
- 1 five-inch object
- 1 four and a half-inch object
- 1 hexagon
- 1 hexagon divided into halves
- 1 hundred
- 1 large rectangle cut into 2 parts
- 1 large triangle cut into 2 parts
- 1 medium acute isosceles triangle
- 1 medium rhombus
- 1 medium right isosceles triangle
- 1 medium right scalene triangle
- 1 medium square
- 1 medium trapezoid
- 1 octagon
- 1 one-inch object

- 1 oval
- 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 $\frac{1}{2}$
- 1 rectangle representing $\frac{1}{3}$
- 1 rectangle representing $\frac{1}{4}$
- 1 rectangle representing $\frac{1}{10}$
- 1 rhombus divided into halves
- 1 seven-inch object
- 1 six-inch object
- 1 small rectangle
- 1 small square
- 1 square divided into 2 equal parts
- 1 square representing $\frac{1}{4}$
- 1 square representing $\frac{2}{4}$
- 1 square representing $\frac{3}{4}$
- 1 star
- 1 star divided into halves
- 1 subtraction sign
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 ten-inch object
- 1 thousand
- 1 three-inch object
- 1 triangle divided into 2 equal parts
- 1 two-inch object
- 2 congruent medium rectangles
- 2 different parts of an identical object A

- 2 four-inch objects
- 2 identical large rectangles
- 2 identical large squares
- 2 medium objects
- 2 objects with the measurable attribute of weight
- 2 sets of objects where each set contains 1 whole object and 2 parts of an identical object
- 2 small objects
- 2 tactile bar graphs
- 2 ten-dollar bills
- 3 large congruent equilateral triangles
- 3 medium congruent equilateral triangles
- 3 small congruent equilateral triangles
- 3 tactile number charts
- 3 tactile number lines
- 3 tactile rulers
- 4 containers with 10 compartments each
- 7 squares
- 9 tactile digital clocks
- 12 object Bs
- 12 tens
- 15 circles of which at least 3 are large, 3 are medium, and 3 are small
- 15 object As
- 18 containers of which at least 6 are identical
- 18 ones
- 18 triangles
- 60 objects of which at least 30 are identical and 5 are large

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 container (if the scale doesn't have a pan)
- 1 empty coffee can
- 1 glove
- 1 large circle bandage
- 1 large flat piece of paper
- 1 large folded piece of paper
- 1 piece of paper in parts
- 1 plastic bottle
- 1 rubber band (or piece of string)
- 1 shoebox
- 1 small circle bandage
- 1 small cup
- 1 small folded piece of paper
- 1 small rectangle bandage
- 2 baskets
- 2 bowls of which 1 is large and 1 is small
- 2 envelopes of which 1 is whole and 1 is in parts
- 2 highlighters
- 2 identical boxes of 12-count pencils
- 2 identical folders
- 2 identical large cups
- 2 identical notebooks
- 2 identical pens
- 2 identical straws of which 1 is whole and 1 is in 3 pieces
- 2 index cards of which 1 is whole and 1 is in parts
- 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 pieces of string of which 1 is long and 1 is short

- 2 pots
- 2 re-sealable sandwich bags with different amount of rice inside
- 2 ribbons of which 1 is whole and 1 is in parts
- 2 sponges
- 2 towels
- 3 pencils that vary in length
- 3 pom-poms that vary in size
- 3 small boxes, each with a different volume
- 4 blocks of which 2 are large and 2 are small
- 5 erasers of which at least 2 are identical
- 5 rulers
- 6 counters
- 6 crayons
- 6 number cubes
- 6 paperclips
- 6 socks
- 7 checkers all of the same color
- 7 colored pencils
- 7 dominoes
- 8 craft sticks of which at least 2 are identical
- 8 glue sticks
- 8 markers of which at least 2 are identical
- 10 identical connecting blocks
- 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 thirds
- 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 $\frac{1}{10}$
- 1 circle representing $\frac{2}{2}$
- 1 circle representing $\frac{2}{3}$
- 1 circle representing $\frac{2}{4}$
- 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 dime
- 1 dollar bill
- 1 equal to sign
- 1 equilateral triangle
- 1 heart divided into halves
- 1 hexagon
- 1 hexagon divided into 2 trapezoids
- 1 line
- 1 line segment
- 1 nickel
- 1 number sign

- 1 object about 2 times the size of the small object
- 1 object about 4 times the size of the small object
- 1 object with a heavier weight than 3 cube weights
- 1 object with a lighter weight than 1 cube weight
- 1 object with a lighter weight than 18 cube weights
- 1 object with an equal weight to 10 cube weights
- 1 oval divided into 2 unequal parts
- 1 oval divided into 3 unequal parts
- 1 oval divided into halves
- 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 equal parts
- 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 representing $\frac{1}{2}$
- 1 rectangle representing $\frac{1}{3}$
- 1 rectangle representing $\frac{1}{4}$
- 1 rectangle representing $\frac{1}{8}$
- 1 rectangle representing $\frac{2}{2}$
- 1 rectangle representing $\frac{2}{3}$
- 1 rectangle representing $\frac{3}{4}$
- 1 rectangle representing $\frac{4}{6}$
- 1 rectangle representing $\frac{5}{6}$
- 1 rectangle representing $\frac{6}{6}$
- 1 rectangle representing $\frac{9}{10}$

- 1 rectangle representing sixths
- 1 rectangle with a tactile border
- 1 rectangle with discernible square units measuring 10 x 5
- 1 rectangle with discernible square units measuring 4 x 3
- 1 rectangle with discernible square units measuring 4 x 7
- 1 rectangle with discernible square units measuring 5 x 3
- 1 rectangle with discernible square units measuring 6 x 4
- 1 rhombus
- 1 rhombus divided into 2 equilateral triangles
- 1 round object
- 1 set of non-perpendicular intersecting lines
- 1 set of parallel line segments
- 1 set of perpendicular lines
- 1 small acute angle
- 1 small container
- 1 small object
- 1 square divided into 2 equal parts
- 1 square measuring 1 x 1
- 1 square measuring 2 x 2
- 1 square object
- 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 eighths
- 1 square representing thirds
- 1 square with a tactile border
- 1 square with discernible square units measuring 3 x 3
- 1 square with discernible square units measuring 5 x 5
- 1 subtraction sign
- 1 tactile material to create dotted lines
- 1 tactile material to create groups

- 1 tactile number line
- 1 tactile picture graph
- 1 triangle divided into 2 equal parts
- 1 triangular object
- 1 wavy line
- 1 whole object and 2 parts of an identical object
- 2 congruent hearts
- 2 congruent rectangles
- 2 greater than/less than signs
- 2 hexagons divided into 2 unequal parts
- 2 large congruent acute angles
- 2 parts of different objects
- 2 sets of parallel lines
- 2 sets of perpendicular line segments
- 2 squares divided into 2 unequal parts
- 2 tactile bar graphs
- 3 acute angles
- 3 balance scales
- 3 congruent half circles
- 3 obtuse angles
- 3 right angles
- 3 tactile analog clocks
- 4 pentagons
- 6 identical containers
- 6 non-money objects
- 6 squares
- 6 triangles
- 7 circles of which at least 2 are congruent
- 8 tactile digital clocks
- 10 object Cs
- 14 tens
- 19 object Bs
- 30 ones
- 31 cube weights
- 32 object As

- 35 stackable objects
- 48 identical objects
- tactile letters

Common Materials Used to Administer Testlets for Grade 5

- 1 baseball
- 1 basketball
- 1 calculator (less than a pound)
- 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 large bowl
- 1 notebook (less than a pound)
- 1 picture book (less than a pound)
- 1 ribbon (one foot or longer)
- 1 rubber band (or piece of string)
- 1 scale
- 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 identical glue sticks
- 2 pieces of paper of which 1 is large and 1 is small
- 2 sponges
- 2 water bottles of which 1 is empty and 1 is filled with a colored liquid
- 3 erasers that vary in size
- 3 plates
- 4 books of which 2 are large and 2 are small
- 5 blocks

- 5 paintbrushes of which at least 2 are long and 2 are short
- 5 pens
- 5 rulers
- 6 clothespins
- 6 cups of which at least 2 are identical and 2 are plastic
- 6 erasers of which at least 2 are identical
- 7 craft sticks
- 7 number cubes
- 8 colored pencils
- 8 crayons
- 8 markers of which at least 2 are identical
- 8 pencils of which at least 3 vary in length
- 8 snap cubes
- 9 index cards of which at least 1 is large and 1 is small

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

- 1 circle divided into 2 equal parts
- 1 circle divided into 2 unequal parts with 1 part shaded
- 1 circle divided into 3 equal parts
- 1 circle divided into fourths
- 1 circle divided into halves
- 1 circle representing $\frac{1}{2}$
- 1 circle representing $\frac{1}{3}$
- 1 circle representing $\frac{1}{4}$
- 1 circle representing $\frac{1}{10}$
- 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 $\frac{5}{10}$
- 1 circle representing $\frac{10}{10}$
- 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 isosceles triangle
- 1 large cube
- 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 pyramid
- 1 quarter
- 1 rectangle divided into 2 equal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 4 equal parts

- 1 rectangle divided into 4 unequal parts
- 1 rectangle divided into thirds
- 1 rectangle representing $\frac{1}{3}$
- 1 rectangle representing $\frac{2}{3}$
- 1 rectangle representing $\frac{3}{3}$
- 1 rectangle representing $\frac{1}{4}$
- 1 rectangle representing $\frac{2}{4}$
- 1 rectangle representing $\frac{3}{4}$
- 1 rectangle representing $\frac{2}{5}$
- 1 rectangle representing $\frac{2}{8}$
- 1 rectangle representing $\frac{3}{8}$
- 1 rectangle representing $\frac{6}{8}$
- 1 rectangle representing $\frac{1}{10}$
- 1 rectangle representing $\frac{4}{10}$
- 1 rectangle representing $\frac{5}{10}$
- 1 rectangle representing $\frac{7}{10}$
- 1 rectangle representing $\frac{8}{10}$
- 1 rectangle representing $\frac{10}{10}$
- 1 rectangle divided into 2 unequal parts
- 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 rhombus
- 1 six-inch object
- 1 six-pound object
- 1 small cube
- 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 line graph
- 1 tactile material to create groups
- 1 tactile table
- 1 three-inch object
- 1 triangular prism
- 1 twelve-pound object
- 2 circles divided into 2 unequal parts
- 2 circles divided into 3 unequal parts
- 2 cones of which 1 is large and 1 is small
- 2 congruent cubes
- 2 congruent ellipses
- 2 congruent hexagons
- 2 congruent stars
- 2 congruent trapezoids
- 2 greater/less than signs
- 2 identical cylinders
- 2 identical rectangular prisms
- 2 large triangles
- 2 spheres of which 1 is large and 1 is small
- 2 squares divided into 4 unequal parts
- 2 tactile digital clocks
- 3 containers with 4 compartments each
- 3 heavy objects
- 3 light objects
- 3 medium-height objects
- 3 medium-weight objects
- 3 pentagons of which 1 is large, 1 is medium, and 1 is small
- 3 tactile analog clocks
- 3 tactile bar graphs
- 3 tactile number lines
- 3 tactile picture graphs
- 3 tall objects
- 4 containers with 8 compartments each

- 4 containers with 10 compartments each
- 4 hexagons of varying sizes
- 4 rectangles of which 1 is large, 2 are medium, and 1 is small
- 4 tactile line plots
- 5 nickels
- 6 medium equilateral triangles
- 6 non-money objects
- 6 squares of which 2 are large, 2 are medium, and 2 are small
- 7 dimes
- 7 object Bs
- 10 object Cs
- 10 pennies
- 12 circles of which 3 are large, 3 are medium, and 6 are small
- 22 tens
- 24 ones
- 30 connecting cubes
- 34 blocks
- 42 object As of which at least 3 are long, 3 are medium length, and 3 are short

Common Materials Used to Administer Testlets for Grade 6

- 1 bag
- 1 empty box of tea bags
- 1 empty shoe box
- 1 empty tissue box
- 1 index card cut in parts
- 1 large basket
- 1 large bowl
- 1 rubber band (or piece of string)
- 2 identical 12-count packs of pens
- 2 packs of gum
- 2 paper plates of which 1 is whole and 1 is in parts
- 4 books of which 2 are hardcover and 2 are softcover
- 4 sponges varying in size
- 5 craft sticks
- 5 cups of which at least 1 is small and 2 are plastic
- 5 game cards
- 6 blocks of which at least 3 vary in size
- 6 glue sticks
- 6 rulers
- 7 dominoes
- 7 index cards
- 7 pieces of chalk
- 8 crayons
- 8 erasers
- 8 folders
- 8 markers
- 8 pencils of which at least 3 vary in length
- 12 connecting cubes
- 200 one-inch unit cubes

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

- 1 circle cut into 2 equal parts
- 1 circle divided into fourths
- 1 circle representing $\frac{1}{2}$
- 1 circle representing $\frac{1}{3}$
- 1 circle representing $\frac{1}{4}$
- 1 circle representing $\frac{1}{10}$
- 1 container with 4 compartments
- 1 container with 10 compartments
- 1 continuous substance
- 1 cube
- 1 hexagon
- 1 rectangle divided into halves
- 1 rectangle measuring $\frac{1}{3} \times 3$
- 1 rectangle measuring 6×10
- 1 rectangle representing $\frac{1}{2}$
- 1 rectangle representing $\frac{1}{3}$
- 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 discernible square units measuring 5×2
- 1 rectangle with discernible square units measuring 7×3
- 1 rectangle with the area shaded
- 1 rectangle with the border shaded
- 1 rectangular prism with discernible cubic units measuring $2 \times 2 \times 1$
- 1 rectangular prism with discernible cubic units measuring $2 \times 4 \times 6$
- 1 rectangular prism with discernible cubic units measuring $3 \times 2 \times 1$
- 1 rectangular prism with discernible cubic units measuring $3 \times 2 \times 3$
- 1 rectangular prism with discernible cubic units measuring $3 \times 4 \times 1$

- 1 rectangular prism with discernible cubic units measuring $5 \times 2 \times 3$
- 1 rectangular prism with discernible cubic units measuring $6 \times 4 \times 1$
- 1 rectangular prism with discernible cubic units measuring $8 \times 1 \times 3$
- 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 5×5
- 1 square with discernible square units measuring 3×3
- 1 tactile material to create groups
- 1 tactile picture graph
- 2 circles cut into 2 unequal parts
- 2 circles divided into 4 unequal parts
- 2 rectangles divided into 2 unequal parts
- 2 squares of which 1 is large and 1 is small
- 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 object Bs
- 6 tactile bar graphs
- 36 object As

Common Materials Used to Administer Testlets for Grade 7

- 1 basket
- 1 calculator
- 1 closed container
- 1 empty container
- 1 full container
- 1 hardcover book
- 1 large cup
- 1 large hard ball
- 1 large soft ball
- 1 pencil box
- 1 rubber band (or piece of string)
- 1 shoe box
- 1 small cup
- 1 small hard ball
- 1 softcover book
- 2 identical 12-count boxes of colored pencils
- 2 identical boxes of pens with at least 5 pens in total
- 2 identical notebooks
- 2 identical notecards
- 2 large blocks
- 2 large circles
- 2 pieces of paper of which 1 is smooth and 1 is crumpled
- 2 round blocks
- 2 small blocks
- 2 small circles
- 2 square blocks
- 3 containers that vary in size of which 1 is large
- 3 pencils that vary in length
- 3 ribbons that vary in length
- 3 strings that vary in length
- 5 craft sticks
- 5 crayons
- 5 glue sticks

- 5 markers
- 5 paintbrushes
- 5 paper cups of which at least 2 are identical
- 5 sponges
- 6 erasers of which at least 2 are identical
- 6 playing cards
- 7 dominoes
- 7 pencils of which at least 2 are identical
- 8 bowls of which at least 1 is large
- 8 highlighters of which at least 2 are identical
- 8 rulers
- 10 checkers

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 heart-shaped block
- 1 hexagon
- 1 line
- 1 line segment
- 1 medium isosceles triangle
- 1 medium scalene triangle
- 1 medium square
- 1 object of type D
- 1 object of type G
- 1 object of type I
- 1 point
- 1 ray
- 1 rectangle divided into tenths
- 1 rectangle measuring 5 x 10
- 1 rectangle measuring 5 x 2
- 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 4 x 5
- 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 small triangular prism

- 1 square with discernible square units measuring 5 x 5
- 1 square with discernible square units measuring 3 x 3
- 1 star
- 1 tactile material to create groups
- 1 tactile number line
- 1 tactile spinner
- 1 wavy line
- 2 circles divided into 2 unequal parts
- 2 circles of which 1 is medium and 1 is small
- 2 cones of which 1 is large and 1 is small
- 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/less than signs
- 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 rectangular blocks
- 2 rhombi of which 1 is medium and 1 is small
- 2 small spheres
- 2 subtraction signs
- 2 tactile picture graphs
- 2 trapezoids of which 1 is medium and 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 cubes of which 1 is large and 2 are small
- 3 cylinders of which 1 is large and 2 are small
- 3 pentagons of which 1 is large, 1 is medium, and 1 is small
- 3 pyramids of which 1 is large and 2 are small
- 3 rectangles of which 2 are medium and 1 is small
- 3 rectangular prisms of which 1 is large and 2 are small
- 3 tactile bar graphs
- 3 tactile coordinate grids
- 3 tactile line plots
- 3 triangular blocks of which 2 are large and 1 is medium
- 4 addition signs
- 4 equilateral triangles of which 1 is large, 2 are medium, and 1 is small
- 4 right triangles of which 1 is large, 1 is medium, and 2 are small
- 4 sets of objects where each set contains 1 whole object and 1 part of an identical object (objects A-D)
- 4 square blocks of which 3 are large and 1 is small
- 5 angles of which 1 is acute, 2 are right, 1 is obtuse, and 1 is straight
- 5 large circular blocks
- 5 six-sided number cubes
- 7 object As in pieces
- 11 object Bs
- 70 object As

Common Materials Used to Administer Testlets for Grade 8

- 1 clear pencil case or plastic bag
- 1 key ring
- 1 large basket
- 1 large closed box
- 1 large open box
- 1 rubber band (or piece of string)
- 1 small open box
- 2 bowls of which 1 is large and 1 is small
- 2 connecting cubes
- 2 identical 20-count sheets of stickers
- 2 identical balls
- 2 identical blocks
- 2 identical calculators
- 2 identical crayons
- 2 identical long ribbons
- 2 identical short ribbons
- 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 blank pieces of paper that vary in size
- 3 books that vary in size
- 3 circles that vary in size
- 3 craft sticks that vary in size
- 3 triangles that vary in size
- 4 pencils of which 2 are long and 2 are short
- 4 rectangles of which 2 are large and 2 are small
- 4 sponges
- 5 glue sticks of which at least 2 are identical
- 5 keys
- 5 paint brushes
- 6 crayons of which at least 3 vary in length
- 6 dominoes

- 6 pencils of which at least 2 are identical
- 7 markers
- 8 small paper cups
- 9 checkers
- 9 colored pencils
- 9 erasers of which at least 1 is large and 1 is small
- 10 pens

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 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 cone
- 1 curved line segment
- 1 decimal point
- 1 dollar sign
- 1 exclamation point
- 1 fraction bar
- 1 large octagon
- 1 large right isosceles triangle
- 1 medium ellipse
- 1 medium pentagon
- 1 obtuse angle
- 1 pair of adjacent angles forming an acute angle
- 1 pair of supplementary angles
- 1 point
- 1 pyramid
- 1 ray
- 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 representing $\frac{3}{4}$
- 1 rectangle representing $\frac{4}{8}$
- 1 rectangle representing $\frac{6}{8}$
- 1 rectangle representing $\frac{8}{8}$
- 1 rectangle representing $\frac{10}{10}$
- 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 9 x 6 x 8
- 1 set of objects which contains 1 whole object and 2 parts of an identical object
- 1 set of parallel lines
- 1 small equilateral triangle
- 1 tactile function graph
- 1 tactile line plot
- 1 tactile material used 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 arrows
- 2 congruent hearts
- 2 congruent hexagons
- 2 congruent large trapezoids
- 2 congruent medium circles
- 2 congruent medium line segments
- 2 congruent stars
- 2 greater/less than signs
- 2 hexagons of which 1 is large and 1 is small
- 2 large identical right triangles
- 2 line segments of which 1 is long and 1 is short
- 2 medium congruent isosceles triangles
- 2 parallelograms of which at least 1 is medium

- 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 sets of objects where each set contains 1 whole object and 1 part of an identical object
- 2 similar cubes
- 2 similar cylinders
- 2 similar rectangles
- 2 similar right scalene triangles
- 2 small congruent right scalene triangles
- 2 subtraction signs
- 3 congruent small trapezoids
- 3 equals signs
- 3 materials to indicate part of the number
- 3 tactile bar graphs
- 3 tactile function tables
- 3 tactile picture graphs
- 3 tactile tally charts
- 4 addition signs
- 4 containers with 10 compartments each
- 4 squares of which 1 is large, 1 is medium, and 2 are small & congruent
- 4 tactile coordinate planes
- 6 medium congruent right scalene triangles
- 6 rectangles of which 3 are large & congruent, 2 are medium & congruent, and 1 is small
- 6 tactile tables
- 8 lines
- 30 identical objects
- 40 object As
- tactile numbers and decimals

Common Materials Used to Administer Testlets for High School

- 1 bottle
- 1 hexagon
- 1 long dull pencil
- 1 rubber band (or piece of string)
- 1 yardstick
- 2 crumpled pieces of paper
- 2 cubes of which 1 is large and 1 is small
- 2 folded pieces of paper
- 2 identical bowls
- 2 identical craft sticks
- 2 identical cups
- 2 identical flat pieces of paper
- 2 identical highlighters
- 2 identical notebooks
- 2 identical plates
- 2 identical rulers
- 2 pieces of string of which 1 is long and 1 is short
- 2 plates varying in size
- 2 sharpened pencils of which 1 is long and 1 is short
- 2 smooth pieces of paper
- 2 squares
- 3 blocks that vary in size
- 3 cards
- 3 colored pencils
- 3 containers that vary in size
- 3 cups that vary in size
- 3 dominoes
- 3 gloves
- 3 number cubes of which at least 2 are identical
- 3 pencils that vary in length
- 3 pom-poms that vary in size
- 3 sponges of which at least 2 are identical
- 3 spoons

- 3 strips of paper that vary in length
- 4 boxes of which 2 are closed and 2 are open
- 4 jars varying in size of which 2 are empty and 2 are full
- 4 straws varying in size of which 2 are straight and 2 are bent
- 5 books of which at least 2 are large and 2 are small
- 5 tiles
- 6 erasers
- 6 glue sticks of which at least 2 are identical
- 6 markers of which at least 2 are identical
- 6 pencils of which at least 2 are identical
- 6 pens of which at least 2 are identical
- 7 blocks of which at least 2 are identical
- 7 checkers
- 7 cotton balls
- 7 folders
- 7 keys
- 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 circle
- 1 large isosceles triangle
- 1 large right scalene triangle
- 1 line
- 1 line segment
- 1 medium pyramid
- 1 number cube
- 1 octagon
- 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 x 6
- 1 rectangle measuring 9 x 8
- 1 rectangle measuring 9 feet x 10 feet
- 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 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 right scalene triangle
- 1 sphere
- 1 square measuring 3 units x 3 units
- 1 tactile material to create groups
- 1 tactile spinner
- 1 ten
- 1 thousand
- 1 triangular prism net
- 2 congruent cones
- 2 congruent cylinders
- 2 congruent ellipses
- 2 congruent parallelograms
- 2 congruent rectangles
- 2 congruent rectangular prisms
- 2 congruent rhombi
- 2 congruent triangular prisms
- 2 cylinders of which 1 is large and 1 is medium
- 2 ellipses of which 1 is large and 1 is small
- 2 equilateral triangles of which 1 is large and 1 is medium
- 2 medium congruent right scalene triangles
- 2 pentagons of which 1 is large and 1 is small
- 2 sets of non-perpendicular intersecting lines
- 2 similar cones
- 2 similar hexagons
- 2 similar right triangles
- 2 similar squares
- 2 small congruent circles
- 2 small congruent hearts
- 2 small congruent squares
- 2 small congruent stars
- 2 small congruent triangles
- 2 tactile coordinate grids

- 2 trapezoids of which 1 is large and 1 is small
- 3 angles of which 1 is acute, 1 is right, and 1 is obtuse
- 3 congruent trapezoids
- 3 cubes of which 1 is large, 1 is medium, and 1 is small
- 3 division signs
- 3 large congruent squares
- 3 multiplication signs
- 3 subtraction signs
- 3 tactile bar graphs
- 3 tactile line graphs
- 3 tactile line plots
- 3 tactile number lines
- 3 tactile picture graphs
- 3 tactile pie charts
- 4 addition signs
- 4 greater/less than signs
- 4 playing cards
- 4 rectangles of which 2 are large and 2 are small
- 4 tactile function tables
- 7 tactile function graphs
- 13 long, thin rectangular prisms
- 18 ones
- 39 object As
- 65 objects
- tactile letters and numbers