



## Mathematics Materials Collections

### 2022-2023 Instructionally Embedded Model Fall Window

The Dynamic Learning Maps® (DLM®) testlets sometimes call for the use of specific materials. The Testlet Information Page (TIP) for each testlet identifies these materials. Sometimes materials are required and cannot be substituted, but substitutions are allowed in most cases. If a testlet requires materials, the TIP will state the specific materials mentioned in the testlet and describe their attributes so that test administrators may find appropriate substitutions. For more information about substituting materials, see the TEST ADMINISTRATION MANUAL sections titled Prepare to Administer a Testlet and Teacher-Administered Testlets.

The TIP is provided in the Instruction and Assessment Planner in Kite® Educator Portal when each testlet is assigned. Since the teacher chooses which Essential Elements and linkage levels to assess during instructionally embedded assessments, the materials needed or recommended to assess each student are unknown before the testlet is assigned. However, the materials used in different testlets often have common traits. This gives teachers the ability to identify some commonly available objects ahead of time that are likely to be useful when administering mathematics testlets. Teachers may collect these materials and use them during instruction. That way, the most useful materials are familiar to the student and available before the teacher begins assigning testlets in the Instruction and Assessment Planner.

To give test administrators more opportunities to prepare for the mathematics alternate assessment prior to the opening of the assessment window, DLM staff have compiled a list of materials commonly needed in mathematics testlets. The tables in this document summarize lists of materials per grade level for general testlets and, where appropriate, for students who are blind or have visual impairments. **Materials may be substituted unless the TIP specifically states, “No substitutions allowed.”**

Hints for using this list

- Look at the whole list for each grade and find materials that can meet multiple purposes. Note the types of materials mentioned more than once.
- Find materials that already exist in the classroom or are easily found in the school building.
- Pick materials that are familiar to the student.
- Remember that, in most cases, materials can be substituted if they have the same attributes as those on the list. Examples of possible substitutions are found in Table 1.
- Material substitutions are listed for individual testlets on the corresponding TIP.
- First and foremost, your student’s safety should be the primary concern when choosing materials or substitutions.

**Table 1**

*Example Mathematic Substitution Materials*

<b>Example Materials Description</b>	<b>Possible Substitution</b>
Two sets of identical objects packaged together (packs of crayons, pencils, markers).	Use two identical packs of flash cards.
Two objects that are the same size and one object that is smaller than the other two.	Use two flash cards that are the same size and a smaller playing card.

Contained in This Document

- Lists by grade of common materials used in mathematics testlets.
- Lists by grade of common materials that may be used to administer testlets to students who are blind or have visual impairments. Some mathematics testlets are special forms designed for students who are blind or have visual impairments, while others are general testlets that have been adapted to make them more accessible.

## Common Materials Used to Administer Testlets for Grade 3

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

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

- 1 circle divided into 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  $\frac{2}{3}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{3}{4}$
- 1 circle representing  $\frac{4}{4}$
- 1 continuous substance
- 1 heart divided into halves
- 1 large rectangle divided into parts
- 1 large square divided into parts
- 1 large triangle divided into parts
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 equal rows and 3 equal columns
- 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 rhombus
- 1 set of 24 identical objects
- 1 small rectangle
- 1 square divided into equal parts
- 1 square representing  $\frac{1}{2}$
- 1 square representing  $\frac{1}{4}$
- 1 square representing  $\frac{2}{2}$
- 1 square representing  $\frac{2}{3}$
- 1 square representing  $\frac{3}{4}$
- 1 square representing  $\frac{4}{4}$
- 1 tactile bar graph
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 tactile ruler
- 1 trapezoid
- 1 whole circle
- 10 paper clips

- 12 dimes
- 12 tactile digital clocks
- 13 tens
- 2 circles divided into unequal parts
- 2 congruent circles divided into halves
- 2 large congruent rectangles
- 2 large congruent squares
- 2 large congruent triangles
- 2 large containers
- 2 rectangles divided into unequal parts
- 2 sets of identical objects (11 Set A objects and 11 Set B objects)
- 2 squares divided into unequal parts
- 3 large squares
- 3 large triangles
- 3 medium squares
- 3 medium triangles
- 3 pairs of similar objects with 1 short and 1 long object in each set
- 3 small squares
- 3 small triangles
- 31 Set A objects
- 4 identical containers
- 6 pairs of identical objects that represent 3 common everyday patterns (i.e., 2 pairs of objects for each pattern)
- 77 objects

## Common Materials Used to Administer Testlets for Grade 4

- 1 balance scale
- 1 big plate
- 1 bowl
- 1 clear 4-cup measuring cup with the number of cups clearly marked
- 1 folder
- 1 glue stick
- 1 half-gallon pitcher
- 1 key ring
- 1 long sharpened pencil
- 1 long string
- 1 long unsharpened pencil
- 1 marker
- 1 notebook
- 1 number cube
- 1 piece of chalk
- 1 piece of sandpaper
- 1 rubber band (or piece of string)
- 1 short sharpened pencil
- 1 short string
- 1 small empty cup
- 1 small plate
- 1 thick book
- 1 thin book
- 2 cups
- 2 highlighters
- 2 identical 6-count boxes of microwave popcorn
- 2 identical 8-count packs of crayons
- 2 identical blocks
- 2 identical fraction pizzas
- 2 identical gloves
- 2 identical pieces of brown construction paper
- 2 identical puzzles
- 2 large cups
- 2 shoe boxes
- 2 short pencils
- 20 marbles
- 3 chenille stems that vary in length
- 3 craft sticks that vary in length

- 3 small boxes, each with a different volume
- 5 keys
- 50 cotton balls
- 6 craft sticks
- 6 erasers
- 6 pom-poms
- 6 stackable cups
- 7 blocks
- 7 connecting cubes
- 7 cotton swabs
- 8 dominoes
- 9 pencils
- cubes to measure volume
- enough counters to fill 1 large cup
- food coloring
- pennies to measure mass
- water to fill the pitcher

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

- 1 arc
- 1 circle divided into 2 unequal parts
- 1 circle divided into 2 unequal parts with 1 part missing
- 1 circle divided into 3 unequal parts
- 1 circle divided into fourths
- 1 circle divided into thirds
- 1 circle representing  $\frac{1}{2}$
- 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 continuous substance
- 1 coordinate grid
- 1 crayon
- 1 eight-cup container
- 1 ellipse
- 1 equal to sign
- 1 greater than sign
- 1 heart divided into 2 unequal parts with 1 part missing
- 1 heart divided into 4 unequal parts with 3 parts shaded
- 1 heart divided into halves
- 1 heart representing  $\frac{1}{2}$
- 1 hexagon
- 1 hexagon divided into halves
- 1 hundred
- 1 large circle
- 1 large circle divided into halves
- 1 less than sign
- 1 line
- 1 line segment
- 1 long rectangle
- 1 long rectangle divided into fourths
- 1 nickel
- 1 object with a weight less than 5 cube weights



- 1 object with a weight more than 3 cube weights
- 1 one-dollar bill
- 1 oval divided into halves
- 1 parallelogram divided into halves
- 1 penny
- 1 pentagon divided into 2 unequal parts
- 1 pentagon divided into 3 unequal parts
- 1 pentagon divided into halves
- 1 quarter
- 1 ray
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into halves
- 1 rectangle divided into thirds
- 1 rectangle representing  $\frac{1}{10}$
- 1 rectangle representing  $\frac{1}{12}$
- 1 rectangle representing  $\frac{12}{12}$
- 1 rectangle representing  $\frac{2}{10}$
- 1 rectangle representing  $\frac{3}{10}$
- 1 rectangle representing  $\frac{3}{4}$
- 1 rectangle representing  $\frac{6}{12}$
- 1 rectangle with discernible square units measuring  $3 \times 2$
- 1 rectangle with discernible square units measuring  $5 \times 3$
- 1 rectangle with discernible square units measuring  $6 \times 2$
- 1 rectangle with discernible square units measuring  $6 \times 3$
- 1 rhombus
- 1 rhombus divided into halves
- 1 rhombus that can be made using 2 equilateral triangles
- 1 set of 10 different objects (objects A-J)
- 1 set of 3 identical acute angles
- 1 set of non-touching lines in a downward V-shape
- 1 set of parallel line segments
- 1 short rectangle
- 1 square divided 4 unequal parts
- 1 square divided into fourths
- 1 square divided into halves
- 1 square divided into thirds
- 1 square representing  $\frac{1}{2}$
- 1 square representing  $\frac{1}{4}$
- 1 square representing  $\frac{3}{4}$

- 1 square representing  $\frac{4}{4}$
- 1 star divided into parts
- 1 subtraction sign
- 1 tactile letter A
- 1 tactile letter B
- 1 tactile line graph
- 1 tactile material to create groups
- 1 tactile material to create labels
- 1 tactile multiplication sign
- 1 tactile picture graph
- 1 tactile point
- 1 trapezoid
- 1 triangle divided into 4 unequal parts with 3 parts shaded
- 1 triangle divided into halves
- 1 triangle representing  $\frac{1}{2}$
- 1 triangle representing  $\frac{2}{2}$
- 1 two-cup container
- 1 two-pound object
- 1 whole heart
- 1 whole pencil
- 1 whole square
- 1 whole star
- 1 wide rectangle
- 13 tens
- 14 cube weights
- 19 ones
- 2 broken pencils
- 2 circles representing tenths
- 2 equilateral triangles
- 2 hexagons divided into 2 unequal parts
- 2 identical rectangles
- 2 obtuse angles
- 2 rectangular-shaped objects
- 2 right angles
- 2 sets of identical objects (25 Set A objects and 7 Set B objects)
- 2 sets of intersecting line segments (1 of which is perpendicular)
- 2 sets of intersecting lines (1 of which is perpendicular)
- 2 sets of parallel lines
- 2 small congruent circles
- 2 squares divided into 2 unequal parts

- 2 tactile bar graphs
- 20 object Bs
- 3 balance scales
- 3 identical objects with a weight equal to 5 cube weights
- 3 large acute angles
- 3 medium acute angles
- 3 sets of identical objects (15 Set A objects, 13 Set B objects, and 7 Set C objects)
- 3 small acute angles
- 3 tactile digital clocks
- 4 sets of 6 or more similar objects (Set A, Set B, Set C, and Set D)
- 4 sets of identical objects (6 Set A objects, 6 Set B objects, 6 Set C objects, and 4 Set D objects)
- 4 ten-dollar bills
- 48 object As
- 5 dimes
- 6 identical containers
- 6 sets of 2 or more identical objects (Set A objects, Set B objects, Set C objects, Set D objects, Set E objects, and Set F objects)
- 6 tactile analog clocks
- tactile letters

## Common Materials Used to Administer Testlets for Grade 5

- 1 bent chenille stem
- 1 calculator
- 1 empty box with flaps
- 1 empty shoe box with a lid
- 1 five-foot ribbon
- 1 large basket
- 1 large cube
- 1 long sharpened pencil
- 1 long unsharpened pencil
- 1 marker
- 1 nine-inch ribbon
- 1 non-retractable tape measure with feet and inches clearly marked
- 1 pair of socks
- 1 pencil box
- 1 piece of yarn (2 feet long or longer)
- 1 rubber band (or piece of string)
- 1 ruler
- 1 scale
- 1 short sharpened pencil
- 1 sixteen-inch ribbon
- 1 small box
- 1 small cube
- 1 spoon
- 1 straight chenille stem
- 1 teacher's manual
- 1 three-foot ribbon
- 1 tray
- 2 identical 12-count boxes of chalk
- 2 identical crayons
- 2 identical decks of cards in their boxes
- 2 identical erasers
- 2 identical pattern blocks
- 2 identical pencils
- 2 identical pieces of paper
- 2 jars
- 2 large blocks
- 2 short pencils
- 2 small blocks

- 3 blocks that vary in size
- 3 craft sticks that vary in length
- 3 empty rectangular containers varying in size
- 3 objects used to conceal the other objects
- 3 pom-poms that vary in size
- 3 strings that vary in length
- 4 connecting cubes
- 5 crayons
- 5 pens
- 50 unit cubes
- 6 books
- 6 chenille stems
- 6 counters
- 6 number cubes
- 7 cups
- 7 erasers
- 7 pennies
- 7 puzzle pieces
- shoe box with a lid filled with heavy objects

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

- 1 circle divided into 3 unequal parts
- 1 circle divided into fourths
- 1 circle divided into halves
- 1 circle divided into thirds
- 1 circle representing  $\frac{1}{10}$
- 1 circle representing  $\frac{1}{2}$
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{1}{8}$
- 1 circle representing  $\frac{2}{2}$
- 1 circle representing  $\frac{2}{3}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{2}{5}$
- 1 circle representing  $\frac{2}{8}$
- 1 circle representing  $\frac{3}{10}$
- 1 circle representing  $\frac{3}{3}$
- 1 circle representing  $\frac{3}{4}$
- 1 circle representing  $\frac{3}{6}$
- 1 circle representing  $\frac{3}{8}$
- 1 circle representing  $\frac{4}{10}$
- 1 circle representing  $\frac{5}{10}$
- 1 circle representing  $\frac{6}{10}$
- 1 circle representing  $\frac{7}{10}$
- 1 circle representing  $\frac{9}{10}$
- 1 container with 8 compartments
- 1 container with a volume of 10 unit cubes
- 1 container with a volume of 3 unit cubes
- 1 container with a volume of 8 unit cubes
- 1 dollar bill
- 1 equilateral triangle
- 1 equilateral triangle divided into 2 unequal parts
- 1 equilateral triangle divided into 3 unequal parts
- 1 equilateral triangle divided into halves
- 1 greater than sign
- 1 hundred
- 1 large rectangle
- 1 large sphere

- 1 less than sign
- 1 measuring cup
- 1 medium cone
- 1 medium rectangle
- 1 medium rectangular prism
- 1 object with a length of about 6 feet
- 1 object with a length of about 6 inches
- 1 object with a weight of about 4 ounces
- 1 pentagon
- 1 pentagon divided into 2 unequal parts
- 1 pentagon divided into 3 unequal parts
- 1 pentagon divided into halves
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into eighths
- 1 rectangle divided into fourths
- 1 rectangle divided into halves
- 1 rectangle divided into sixths
- 1 rectangle divided into tenths
- 1 rectangle divided into thirds
- 1 rectangle divided into twelfths
- 1 rectangle representing  $\frac{1}{10}$
- 1 rectangle representing  $\frac{1}{2}$
- 1 rectangle representing  $\frac{1}{4}$
- 1 rectangle representing  $\frac{1}{6}$
- 1 rectangle representing  $\frac{2}{4}$
- 1 rectangle representing  $\frac{2}{6}$
- 1 rectangle representing  $\frac{3}{4}$
- 1 rectangle representing  $\frac{4}{4}$
- 1 rectangle representing  $\frac{6}{10}$
- 1 rectangle representing  $\frac{6}{8}$
- 1 rectangle representing  $\frac{8}{10}$
- 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 right triangle
- 1 small cone
- 1 small cube
- 1 small rectangle

- 1 small rectangular prism
- 1 small sphere
- 1 small triangle
- 1 square divided into 3 unequal parts
- 1 square divided into halves
- 1 square representing  $\frac{1}{2}$
- 1 square representing  $\frac{1}{3}$
- 1 square representing  $\frac{1}{4}$
- 1 square representing  $\frac{1}{6}$
- 1 square representing  $\frac{1}{8}$
- 1 square representing  $\frac{3}{4}$
- 1 tactile material to create groups
- 1 tactile number line
- 1 tetrahedron
- 1 thousand
- 1 trapezoid
- 1 triangular prism
- 1 whole equilateral triangle
- 10 tens
- 12 containers with 2 compartments each
- 17 object Bs
- 2 circles divided into 2 unequal parts
- 2 dimes
- 2 identical squares
- 2 identical triangles
- 2 large triangles
- 2 medium congruent cubes
- 2 medium congruent cylinders
- 2 medium congruent spheres
- 2 quarters
- 2 rectangles divided into 4 unequal parts
- 2 squares divided into 2 unequal parts
- 2 subtraction signs
- 3 equals signs
- 3 identical circles
- 3 identical heavy-weight objects
- 3 identical light-weight objects
- 3 identical long object As
- 3 identical medium length object As
- 3 identical medium-weight objects



- 3 identical short object As
- 3 large circles
- 3 large squares
- 3 medium circles
- 3 medium squares
- 3 nickels
- 3 pennies
- 3 sets of objects (9 Set A objects, 11 Set B objects, and 10 Set C objects)
- 3 small circles
- 3 small squares
- 3 tactile line plots
- 3 tactile picture graphs
- 3 tactile tables
- 32 identical objects
- 4 addition signs
- 4 containers with 4 compartments each
- 4 tactile bar graphs
- 4 tactile digital clocks
- 42 objects
- 5 tactile analog clocks
- 50 unit cubes
- tactile numbers

## Common Materials Used to Administer Testlets for Grade 6

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

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

- 1 circle divided into 2 unequal parts
- 1 circle divided into fourths
- 1 circle divided into halves
- 1 circle divided into sixths
- 1 circle divided into thirds
- 1 circle representing  $\frac{1}{10}$
- 1 circle representing  $\frac{1}{2}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{1}{6}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{2}{8}$
- 1 circle representing  $\frac{3}{4}$
- 1 container with 5 compartments
- 1 continuous substance
- 1 different object
- 1 half-shaded rectangle
- 1 half-shaded square
- 1 pentagon divided into 2 unequal parts
- 1 pentagon divided into halves
- 1 rectangle divided into 2 unequal parts
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into fourths
- 1 rectangle measuring  $\frac{1}{2} \times 2$
- 1 rectangle measuring  $3 \times 2$
- 1 rectangle measuring  $6 \times 4$
- 1 rectangle representing  $\frac{1}{10}$
- 1 rectangle representing  $\frac{4}{10}$
- 1 rectangle with discernible square units measuring  $2 \times 6$
- 1 rectangle with discernible square units measuring  $3 \times 4$
- 1 rectangle with discernible square units measuring  $3 \times 5$
- 1 rectangle with discernible square units measuring  $4 \times 5$
- 1 rectangle with discernible square units measuring  $4 \times 6$
- 1 rectangle with discernible square units measuring  $5 \times 9$
- 1 rectangle with its border shaded
- 1 rectangular prism with discernible cubic units measuring  $2 \times 2 \times 1$
- 1 rectangular prism with discernible cubic units measuring  $2 \times 4 \times 1$
- 1 rectangular prism with discernible cubic units measuring  $3 \times 3 \times 1$

- 1 shaded rectangle
- 1 shaded square
- 1 square measuring 1 x 1
- 1 square measuring 2 x 2
- 1 square measuring 3 x 3
- 1 square representing  $\frac{1}{3}$
- 1 square representing  $\frac{1}{4}$
- 1 square representing  $\frac{3}{3}$
- 1 square with arrows around the borders
- 1 square with discernible square units measuring 3 x 3
- 1 square with discernible square units measuring 4 x 4
- 1 square with discernible square units measuring 6 x 6
- 1 tactile material to create groups
- 1 tactile picture graph
- 10 identical objects
- 15 object As
- 2 circles divided into 4 unequal parts
- 2 circles divided into 6 unequal parts
- 2 containers with 4 compartments each
- 2 rectangles divided into 4 unequal parts
- 2 subtraction signs
- 2 tactile line plots
- 3 equals signs
- 3 tactile bar graphs
- 3 tactile line plots
- 3 tactile number lines
- 36 objects
- 4 addition signs
- 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
- 8 Set B objects

## Common Materials Used to Administer Testlets for Grade 7

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

- 7 paintbrushes
- 7 paper clips
- 7 pencils

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

- 1 acute angle
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{3}{3}$
- 1 circle representing  $\frac{3}{4}$
- 1 ellipse
- 1 equal to sign
- 1 greater than sign
- 1 heart
- 1 hexagon
- 1 large cylinder
- 1 large equilateral triangle
- 1 large pyramid
- 1 large sphere
- 1 less than sign
- 1 line
- 1 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 angle
- 1 point
- 1 ray
- 1 rectangle divided into 3 unequal parts
- 1 rectangle divided into 4 unequal parts
- 1 rectangle divided into fourths
- 1 rectangle with discernible square units measuring  $5 \times 2$
- 1 rectangle with discernible square units measuring  $8 \times 3$
- 1 rectangle without discernible square units measuring  $5 \times 3$
- 1 rectangle without discernible square units measuring  $7 \times 3$
- 1 rhombus
- 1 small circle
- 1 small cube
- 1 small equilateral triangle
- 1 small similar cylinder
- 1 small similar pyramid
- 1 small similar triangle

- 1 small sphere
- 1 tactile coordinate grid
- 1 tactile football field
- 1 tactile line plot
- 1 tactile material to create groups
- 1 tactile picture graph
- 1 trapezoid
- 1 triangular prism
- 12 object Bs
- 2 circles representing  $\frac{2}{3}$
- 2 congruent circles
- 2 congruent cones
- 2 congruent cubes
- 2 congruent cylinders
- 2 congruent equilateral triangles
- 2 congruent isosceles triangles
- 2 congruent rectangles
- 2 congruent rectangular prisms
- 2 congruent right triangles
- 2 large triangles
- 2 medium circles
- 2 medium spheres
- 2 right angles
- 2 sets of objects (3 Set A objects and 15 Set B objects)
- 2 sets of objects (6 Set A objects and 5 Set B objects)
- 3 circles representing  $\frac{1}{4}$
- 3 containers with 10 compartments each
- 3 containers with 4 compartments each
- 3 containers with 6 compartments each
- 3 large circles
- 3 large congruent squares
- 3 large rectangles
- 3 sets of objects (1 whole Set A object, 2 parts from another Set A object, 1 whole Set B object, 1 part from another Set B object, 1 whole Set C object, and 1 part from another Set C object)
- 3 small rectangles
- 3 small squares
- 3 small triangles
- 3 tactile bar graphs



- 4 sets of identical objects (2 Set A objects, 2 Set B objects, 2 Set C objects, and 2 Set D objects)
- 40 object As
- 5 number cubes
- 60 identical objects

## Common Materials Used to Administer Testlets for Grade 8

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

- 5 rulers
- 6 highlighters
- 6 paper clips
- 7 checkers
- 8 cards
- 8 colored pencils
- 8 counters

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

- 1 arrow
- 1 circle divided into 2 unequal parts with 1 part shaded
- 1 circle divided into 4 unequal parts with 1 part shaded
- 1 circle representing  $\frac{1}{2}$
- 1 circle representing  $\frac{1}{3}$
- 1 circle representing  $\frac{1}{4}$
- 1 circle representing  $\frac{2}{4}$
- 1 circle representing  $\frac{3}{4}$
- 1 circle representing  $\frac{4}{4}$
- 1 cone
- 1 container with 5 compartments
- 1 container with 8 compartments
- 1 curved line
- 1 curved line segment
- 1 different cylinder
- 1 equal to sign
- 1 greater than sign
- 1 group of object As
- 1 group of object Cs
- 1 heart
- 1 hexagon
- 1 large sphere
- 1 large circle
- 1 large cube
- 1 large equilateral triangle
- 1 large non-similar rectangle
- 1 large similar rhombus
- 1 less than sign
- 1 long rectangle
- 1 medium circle
- 1 medium ellipse
- 1 medium equilateral triangle
- 1 medium isosceles triangle
- 1 medium square
- 1 medium trapezoid
- 1 oval
- 1 part of an identical object A

- 1 part of an identical object B
- 1 part of an identical object C
- 1 part of an identical object D
- 1 part of an identical object E
- 1 pentagon
- 1 rectangle measuring 10 x 8
- 1 rectangle measuring 4 x 2
- 1 rectangle measuring 4 x 3
- 1 rectangle measuring 5 x 10
- 1 rectangle measuring 5 x 2
- 1 rectangle measuring 5 x 3
- 1 rectangle measuring 6 x 9
- 1 rectangle measuring 8 x 5
- 1 rectangle that shows length
- 1 rectangle that shows area
- 1 rectangular prism measuring 4 x 3 x 5
- 1 rectangular prism measuring 5 x 2 x 2
- 1 set of intersecting line segments
- 1 set of intersecting lines
- 1 small cube
- 1 small parallelogram
- 1 small similar rectangle
- 1 small similar right triangle
- 1 small sphere
- 1 square measuring 6 x 6
- 1 square measuring 9 x 9
- 1 square that shows perimeter
- 1 tactile function graph
- 1 tactile letter A
- 1 tactile letter B
- 1 tactile material to create labels
- 1 tactile material to create groups
- 1 whole object B
- 1 whole object C
- 1 whole object D
- 1 whole object E
- 10 identical objects
- 2 congruent large trapezoids
- 2 congruent lines
- 2 congruent small trapezoids

- 2 congruent, medium parallelograms
- 2 congruent, medium rectangles
- 2 congruent, medium right triangles
- 2 congruent, small ellipses
- 2 large congruent rectangular prisms
- 2 large congruent squares
- 2 obtuse angles
- 2 right angles
- 2 sets of congruent parallel lines
- 2 similar cylinders
- 2 similar right triangles
- 2 small congruent rhombuses
- 2 small congruent right triangles
- 2 small congruent equilateral triangles
- 2 small congruent rectangular prisms
- 2 tactile graphs
- 2 whole object As
- 3 different acute angles (approximately 20 degrees, 60 degrees, and 80 degrees)
- 3 congruent large rectangles
- 3 congruent line segments
- 3 containers with 10 compartments each
- 3 large congruent right triangles
- 3 pairs of complementary angles (40/50 degrees, 35/55 degrees, and 30/60 degrees)
- 3 pairs of identical acute angles (approximately 30 degrees, 40 degrees, and 45 degrees)
- 3 small congruent squares
- 3 small congruent circles
- 3 tactile function tables
- 3 tactile line plots
- 3 tactile picture graphs
- 3 tactile tally charts
- 36 object As
- 4 congruent parallelograms
- 4 congruent right triangles
- 4 congruent trapezoids
- 4 rays
- 4 tactile bar graphs
- 4 tactile coordinate planes
- 6 pairs of adjacent angles (40/10 degrees, 40/70 degrees, 20/30 degrees, 50/60 degrees, 45/90 degrees, and 15/30 degrees)
- 6 tactile tables

## Common Materials Used to Administer Testlets for High School

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

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

- 1 acute angle
- 1 container with 10 compartments
- 1 hexagon that can be made of the trapezoids
- 1 large octagon
- 1 line
- 1 line segment
- 1 medium rectangle
- 1 obtuse angle
- 1 point
- 1 ray
- 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 4 x 3
- 1 rectangle with discernible square units measuring 5 x 3
- 1 rectangle with discernible unit squares measuring 5 x 4
- 1 right angle
- 1 set of adjacent angles
- 1 set of intersecting line segments
- 1 set of intersecting lines
- 1 set of parallel line segments
- 1 set of parallel lines
- 1 set of perpendicular line segments
- 1 set of perpendicular lines
- 1 set of vertical angles
- 1 small cone
- 1 small equilateral triangle
- 1 small octagon
- 1 small rectangle
- 1 square that measures 8 x 8
- 1 straight angle
- 1 tactile chart
- 1 tactile line plot
- 1 tactile material to create groups
- 13 ones
- 2 congruent cylinders



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