



Mathematics Materials Collections

2016-17 Instructionally Embedded Assessment Window

Dynamic Learning Maps® (DLM®) testlets sometimes call for the use of specific materials. Materials are identified in the Testlet Information Page (TIP) for each testlet. Sometimes materials are required and cannot be substituted, but substitutions are allowed in most cases. Each TIP states whether materials are needed for a testlet. If materials are to be used in a testlet, 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 objects, see the TEST ADMINISTRATION MANUAL section titled Teacher-Administered Tests.

The TIP is provided in Educator Portal when each testlet is assigned. Since the teacher chooses which Essential Elements and linkage levels to assess during instructionally embedded assessment, 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 Instructional Tools Interface (ITI).

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

Hints for using this list:

- Find things that already exist in the classroom or are easily found somewhere in the building.
- Pick materials that are familiar to the student.
- Look at the whole list for each grade and find objects that can meet multiple purposes. What types of objects are mentioned more than once?
- Remember that in most cases it will be okay to substitute materials as long as they are like the ones on the list. Examples of possible substitutions are found in the table below.

Example Materials Description	Possible Substitution
2 sets of identical objects packaged together (packs of crayons, pencils, markers)	use two identical packs of flash cards
2 envelopes that are the same size, and one envelope that is smaller than the other two	use two flash cards that are the same size and a smaller playing card

- Materials substitutions are listed for individual testlets on their TIP.

Contained in This Document

- Lists by grade of materials commonly used in DLM mathematics testlets that require the use of materials.
- Lists by grade of 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 these students, while other testlets include suggestions for materials to use to make general testlets accessible for students who are blind or have visual impairment. The materials commonly used to make testlets accessible to students who are blind or have visual impairments are included on this list.

Grade	Common Materials Used to Administer Testlets
3	<ul style="list-style-type: none"> • 1 big coin • 1 big cup • 1 bowl • 1 large fabric-covered button (button with shank) • 1 large sew-through button • 1 pair of socks • 1 rubber band • 1 rubber band (or piece of string) • 1 small coin • 1 small cup • 1 small sew-through button • 1 sock • 2 boxes • 2 crayons • 2 fraction pizzas • 2 identical 10-count boxes of granola bars • 2 identical blocks • 2 identical buttons that are familiar to the student • 2 identical eight-count packs of paintbrushes • 2 identical erasers • 2 identical gloves • 2 identical glue sticks • 2 identical highlighters • 2 identical markers with easily removable lids • 2 identical paint brushes • 2 identical rulers • 2 identical socks • 2 identical toothbrushes • 2 pennies • 2 pens • 3 inch piece of string • 4 crayons • 5 acorns • 5 cards • 5 inch piece of string • 5 straws • 50 pennies • 6 keys • 6 markers • 6 pennies • 6 rulers • 7 paper clips

Grade	Common Materials Used to Administer Testlets
3	<ul style="list-style-type: none"> • 7 straws • 8 inch piece of string • 9 buttons • a card with the numeral 2 • a card with the numeral 25 • a card with the numeral 30 • a card with the numeral 4 • cards with printed numbers from 1 to 30 • yardstick or ruler with inches clearly marked

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
3	<ul style="list-style-type: none"> • 1 asymmetrical shape • 1 circle • 1 circle cut into 3 equal parts • 1 circle divided into 2 equal parts • 1 circle divided into 2 parts • 1 circle divided into 3 equal parts • 1 circle divided into 3 parts • 1 circle divided into 4 parts • 1 circle divided into equal parts • 1 circle divided into thirds • 1 circle representing the fraction $1/10$ • 1 circle representing the fraction $1/2$ • 1 circle representing the fraction $1/3$ • 1 circle representing the fraction $1/4$ • 1 circle representing the fraction $2/3$ • 1 circle representing the fraction $2/4$ • 1 equals sign • 1 five-inch object • 1 four-foot object • 1 large square in parts • 1 large triangle • 1 large triangle in parts • 1 minus sign • 1 object divided into 2 equal parts • 1 object divided into 3 equal parts • 1 object that measures 4 straws long • 1 object that measures 5 paper clips long • 1 object with the measurable attribute height • 1 object with the measurable attribute length

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
3	<ul style="list-style-type: none"> • 1 object with the measurable attribute weight • 1 plus sign • 1 rectangle • 1 rectangle divided into equal parts • 1 rectangle divided into halves • 1 right triangle • 1 right triangle • 1 set of 10 objects • 1 set of 10 shapes • 1 set of 12 objects • 1 set of 13 identical objects • 1 set of 2 similar objects (1 divided into parts and 1 whole) • 1 set of 37 objects • 1 set of 4 identical objects • 1 set of 6 identical objects • 1 set of 6 objects • 1 set of 9 shapes • 1 six-inch object • 1 small triangle • 1 small whole rectangle • 1 small whole square • 1 small whole triangle • 1 square cut into 2 equal parts • 1 square cut into 3 equal parts • 1 square cut into 4 equal parts • 1 square divided into equal parts • 1 square divided into fourths • 1 square representing the fraction $\frac{2}{3}$ • 1 tactile ruler • 1 three-foot object • 1 twelve-inch object • 1 two-foot object • 1 two-inch object • 1 whole circle • 1 whole rectangle • 1 whole square • 10 circles • 10 groups of 10 base ten blocks • 12 dimes • 12 small containers or 3 containers with 4 compartments each • 13 objects

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
3	<ul style="list-style-type: none"> • 14 triangles • 17 one base ten blocks • 2 circles divided into unequal parts • 2 congruent diamonds (1 divided into 2 equal parts) • 2 identical squares (one divided in half diagonally) • 2 large containers • 2 large whole rectangles • 2 large whole squares • 2 large whole triangles • 2 rectangles divided into unequal parts • 2 sets of 3 identical objects • 2 sets of containers each containing 1 large and 1 small container • 2 similar objects (1 weighing about 6 ounces and 1 weighing about 25 ounces) • 2 squares divided into unequal parts • 3 large circles • 3 large squares • 3 large triangles • 3 medium circles • 3 medium squares • 3 medium triangles • 3 objects with the measurable attributes length, circumference, and height • 3 set of objects with 1 short and 1 long object in each set • 3 sets of 2 identical objects, 1 whole and 1 divided into parts • 3 small circles • 3 small squares • 3 small triangles • 3 tactile digital clocks, or items to create 3 digital clocks • 3 tactile yardsticks • 3 whole objects • 30 objects • 36 identical objects • 38 one base ten blocks • 4 circles cut into 4 equal parts • 4 containers • 4 groups of 10 connecting objects • 4 straws • 5 containers • 5 paper clips • 5 sets of 2 objects • 6 groups of 10 base ten blocks • 6 objects

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
3	<ul style="list-style-type: none"> • 7 containers • 7 groups of 10 base ten blocks • 70 objects • 77 objects • 8 small containers • 8 ten-dollar bills • a tactile digital clock, or items to create a digital clock • items to create a bar graph and a picture graph • rectangle divided into 2 equal parts • rectangle divided into 2 unequal parts • rectangle divided into 3 equal parts • rectangle divided into 3 equal rows • rectangle divided into 3 unequal parts • rectangle divided into 4 equal columns • rectangle divided into 4 equal parts • rectangle divided into 4 unequal parts • rectangle that represents the fraction $1/10$ • rectangle that represents the fraction $1/2$ • rectangle that represents the fraction $1/3$ • rectangle that represents the fraction $1/4$ • tactile material to create groupings • tactile material to indicate objects that have been crossed out

Grade	Common Materials Used to Administer Testlets
4	<ul style="list-style-type: none"> • 1 big bowl • 1 balance scale • 1 big button • 1 bowl • 1 crayon • 1 cup • 1 drinking glass • 1 empty peanut butter jar • 1 eraser • 1 fraction pizza • 1 glove • 1 hard rubber ball • 1 key ring • 1 large round button • 1 metal spoon • 1 number cube • 1 piece of chalk • 1 pitcher • 1 plastic spoon • 1 play quarter • 1 pom pom • 1 puzzle • 1 real dime • 1 real quarter • 1 rubber band (or piece of string) • 1 scale • 1 small bowl • 1 small button • 1 small round button • 1 small square button • 1 white board (or other magnetic surface) • 10 1" wooden cubes • 2 buttons • 2 ceramic plates of varying size • 2 cups • 2 gloves • 2 identical 6-count boxes of microwave popcorn • 2 identical 8-count packs of crayons • 2 identical blocks • 2 identical gloves that are familiar to the student • 2 identical pieces of paper • 2 identical soft foam balls

Grade	Common Materials Used to Administer Testlets
4	<ul style="list-style-type: none"> • 2 identical straws that are familiar to the student • 2 paper plates of varying size • 2 shoeboxes • 2 towels • 20 marbles • 3 pieces from a second identical fraction pizza • 4 pipe cleaners of a varying lengths • 5 keys • 5 number cubes • 5 pieces from an identical puzzle • 50 cotton balls • 6 erasers • 6 folders • 6 markers • 6 pencils • 6 stackable cups • 7 blocks • 7 checkers all of the same color • 7 cotton swabs • 7 magnetic letters • 8 dominoes • 9 identical triangle pattern blocks • 9 pencils • one or more pounds of apples • one or more pounds of oranges • one or more pounds of potatoes

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
4	<ul style="list-style-type: none"> • 1 acute angle • 1 addition sign • 1 additional acute angle • 1 angle • 1 caret symbol • 1 circle • 1 circle divided into 2 equal parts • 1 circle divided into 2 equal parts with 1 part shaded • 1 circle divided into 2 unequal parts with 1 part shaded • 1 circle divided into 4 equal parts • 1 circle divided into parts • 1 circle that represents the fraction $\frac{2}{4}$ • 1 circle that represents the fraction $\frac{3}{4}$ • 1 circle that represents the fraction $\frac{4}{4}$ • 1 container • 1 container full of a continuous substance • 1 container half full of a continuous substance • 1 container one-fourth full • 1 container one-fourth full of a continuous substance • 1 container three-fourths full of a continuous substance • 1 curved line segment • 1 dash • 1 ellipse • 1 equal to sign • 1 full container • 1 greater than sign • 1 half-circle • 1 heart divided into 2 equal parts with 1 part shaded • 1 heart divided into 2 unequal parts with 1 part shaded • 1 heart divided into 4 unequal parts with 3 parts shaded • 1 heart divided into parts • 1 heart that represents the fraction $\frac{1}{2}$ • 1 large circle • 1 large circle divided into 2 parts • 1 large square representing the fraction $\frac{1}{2}$ • 1 large square representing the fraction $\frac{1}{4}$ • 1 less than sign • 1 line • 1 line segment • 1 long rectangle • 1 long rectangle divided into 2 parts

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
4	<ul style="list-style-type: none"> • 1 obtuse angle • 1 point • 1 ray • 1 rectangle • 1 rectangle divided into 2 equal parts • 1 rectangle divided into 2 unequal parts • 1 rectangle that measures 3 x 2 • 1 rectangle that measures 4 x 3 • 1 rectangle that measures 5 x 3 • 1 rectangle that measures 6 x 2 • 1 rectangle that measures 6 x 3 • 1 rectangle with discernable square units representing $\frac{1}{12}$ • 1 rectangle with discernable square units representing $\frac{12}{12}$ • 1 rectangle with discernable square units representing $\frac{6}{12}$ • 1 right angle • 1 set of 25 objects • 1 set of connecting lines segments creating 1 acute angle • 1 set of connecting lines segments creating 1 right angle • 1 set of non-perpendicular intersecting lines • 1 set of parallel line segments • 1 set of parallel lines • 1 set of perpendicular intersecting lines • 1 short rectangle • 1 small circle • 1 small square representing the fraction $\frac{1}{2}$ • 1 small square representing the fraction $\frac{1}{4}$ • 1 square • 1 square divided into 2 equal parts • 1 square divided into 3 equal parts • 1 square that measures 3 x 3 • 1 square that represents the fraction $\frac{1}{4}$ • 1 square that represents the fraction $\frac{3}{4}$ • 1 square that represents the fraction $\frac{4}{4}$ • 1 square the measures 2 x 2 • 1 square with the same unit area representing $\frac{2}{4}$ • 1 square with the same unit area representing $\frac{3}{4}$ • 1 star divided into parts • 1 straight line segment • 1 tactile analog clock or items to create an analog clock • 1 tactile digital clock or items to create a digital clock • 1 triangle

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
4	<ul style="list-style-type: none"> • 1 triangle divided into 4 unequal parts with 3 parts shaded • 1 triangle that represents the fraction $1/2$ • 1 triangle that represents the fraction $2/2$ • 1 unit tile • 1 whole circle • 1 whole heart • 1 whole large square • 1 whole rectangle • 1 whole small square • 1 whole square • 1 whole star • 1 wide rectangle • 12 objects • 16 counters • 2 additional acute angles of varying degrees • 2 angled lines that do not touch • 2 half full containers • 2 identical acute angles • 2 identical rectangles • 2 obtuse angles • 2 rectangular-shaped objects • 2 sets of identical acute angles • 2 sets of non-perpendicular intersecting lines • 2 sets of parallel lines • 2 whole squares • 24 similar objects • 27 objects • 3 large acute angles • 3 medium acute angles • 3 objects that will fit inside a container • 3 small acute angles • 3 tactile number lines or materials to create 3 number lines • 4 containers • 4 squares with the same unit area (representing $3/4$, $3/4$, $2/4$, and $1/4$) • 43 similar objects • intersecting lines • items to create a bar graph and a picture graph • perpendicular lines that do not touch • tactile material to create groupings • tactile material to create labels

Grade	Common Materials Used to Administer Testlets
5	<ul style="list-style-type: none"> • 1 basket • 1 block • 1 book • 1 calculator • 1 closed box • 1 crayon • 1 cup • 1 empty water bottle • 1 eraser • 1 full water bottle (with a colored liquid) • 1 key • 1 large (adult-size) shoe with laces • 1 large (adult-size) shoe with Velcro straps • 1 large empty bottle • 1 large full bottle • 1 napkin • 1 open box • 1 rubber band • 1 rubber band (or piece of string) • 1 ruler • 1 scale • 1 small (child-size) shoe with Velcro straps • 1 small full bottle • 1 spoon • 1 towel • 2 apples • 2 bent straws • 2 bowls • 2 identical 12-count boxes of chalk • 2 identical 12-count boxes of pencils • 2 identical coins • 2 identical crayons • 2 identical cups • 2 identical decks of cards in their boxes • 2 identical glue sticks • 2 identical highlighters that are familiar to the student • 2 identical keys • 2 identical paper clips • 2 identical plates and 2 identical books • 2 identical socks that are familiar to the student

Grade	Common Materials Used to Administer Testlets
5	<ul style="list-style-type: none"> • 2 identical tangrams that are familiar to the student • 2 jars • 2 markers • 2 metal spoons of varying sizes • 2 oranges • 2 pieces of chalk • 2 pipe cleaners • 2 spoons • 2 straight straws • 2 wooden spoons of varying sizes • 3 empty rectangular containers of any size • 4 straws that range in length • 5 books • 5 crayons • 6 books • 6 erasers • 7 coins • 7 erasers • 7 erasers • 7 paper clips • 7 spoons • 7 strawberries • 8 paper clips • 8 straws • more than enough unit cubes to fill the largest container

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
5	<ul style="list-style-type: none"> • 1 balance scale • 1 circle • 1 circle divided into 2 equal parts • 1 circle divided into 2 unequal parts with the larger part shaded • 1 circle divided into 3 equal parts • 1 circle divided into 3 unequal parts • 1 circle divided into 4 equal parts • 1 circle divided into fourths • 1 circle divided into halves • 1 circle divided into thirds • 1 circle representing the fraction $\frac{1}{2}$ • 1 circle representing the fraction $\frac{1}{3}$ • 1 circle representing the fraction $\frac{2}{2}$ • 1 circle representing the fraction $\frac{2}{3}$ • 1 circle representing the fraction $\frac{3}{10}$ • 1 circle representing the fraction $\frac{3}{3}$ • 1 circle representing the fraction $\frac{3}{4}$ • 1 circle representing the fraction $\frac{4}{10}$ • 1 circle representing the fraction $\frac{5}{10}$ • 1 circle that represents the fraction $\frac{1}{10}$ • 1 circle that represents the fraction $\frac{1}{2}$ • 1 circle that represents the fraction $\frac{1}{3}$ • 1 circle that represents the fraction $\frac{1}{4}$ • 1 circle that represents the fraction $\frac{1}{8}$ • 1 circle that represents the fraction $\frac{2}{3}$ • 1 circle that represents the fraction $\frac{2}{5}$ • 1 circle that represents the fraction $\frac{3}{10}$ • 1 circle that represents the fraction $\frac{3}{3}$ • 1 circle that represents the fraction $\frac{4}{10}$ • 1 circle that represents the fraction $\frac{7}{10}$ • 1 cone • 1 container • 1 container with 8 compartments • 1 container with a volume of 10 unit cubes • 1 container with a volume of 12 unit cubes • 1 container with a volume of 3 unit cubes • 1 container with a volume of 4 unit cubes • 1 container with a volume of 6 unit cubes • 1 container with a volume of 8 unit cubes • 1 cube • 1 cylinder

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
5	<ul style="list-style-type: none"> • 1 dime • 1 dollar bill • 1 large cylinder • 1 large rectangle • 1 large rectangular prism • 1 measuring cup • 1 nickel • 1 number line marked from 0-90 at every 10 • 1 object scaled to represent 5 feet • 1 object scaled to represent 6 feet • 1 object that is approximately 2 inches long • 1 object that is approximately 4 inches long • 1 object that weighs approximately 10 ounces • 1 object that weighs approximately 4 ounces • 1 object with the measurable attribute length • 1 paper clip • 1 penny • 1 pentagon • 1 quarter • 1 rectangle • 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 eighths • 1 rectangle divided into fourths • 1 rectangle divided into twelfths • 1 rectangle representing the fraction $\frac{1}{2}$ • 1 rectangle representing the fraction $\frac{1}{4}$ • 1 rectangle representing the fraction $\frac{1}{6}$ • 1 rectangle representing the fraction $\frac{2}{4}$ • 1 rectangle representing the fraction $\frac{3}{4}$ • 1 rectangle that represents the fraction $\frac{1}{4}$ • 1 rectangle that represents the fraction $\frac{2}{4}$ • 1 rectangle that represents the fraction $\frac{3}{4}$ • 1 rectangle that represents the fraction $\frac{4}{4}$ • 1 rectangle that represents the fraction $\frac{6}{10}$ • 1 rectangle that represents the fraction $\frac{6}{8}$ • 1 rectangle that represents the fraction $\frac{8}{10}$ • 1 rectangular prism • 1 rhombus • 1 set of 22 objects

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
5	<ul style="list-style-type: none"> • 1 set of 6 objects • 1 small cylinder • 1 small rectangular prism • 1 small triangle • 1 sphere • 1 square • 1 square divided into 2 equal parts • 1 square divided into 2 unequal parts • 1 square divided into 3 unequal parts • 1 square that represents the fraction $\frac{1}{2}$ • 1 square that represents the fraction $\frac{1}{3}$ • 1 square that represents the fraction $\frac{1}{4}$ • 1 square that represents the fraction $\frac{1}{6}$ • 1 square that represents the fraction $\frac{3}{4}$ • 1 tactile analog clock • 1 tactile digital clock • 1 tactile ruler • 1 tetrahedron • 1 trapezoid • 1 triangle • 1 triangular prism • 1 unit cube • 1 whole circle • 1 whole rectangle • 1 whole square • 10 unit cubes • 12 containers with 2 compartments each • 12 one base ten blocks • 130 objects • 16 objects • 2 circles divided into 2 unequal parts • 2 circles of varying sizes • 2 cones • 2 cubes • 2 different objects • 2 different pairs of identical objects • 2 identical squares • 2 identical triangles • 2 large squares • 2 objects that weigh approximately 4 pounds • 2 objects with the measurable attribute weight

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
5	<ul style="list-style-type: none"> • 2 rectangles of varying sizes • 2 small squares • 2 squares divided into 2 unequal parts • 2 tactile analog clocks • 2 tactile digital clocks • 2 triangles of different sizes • 2 triangles of varying sizes • 20 objects • 25 objects • 26 objects • 3 circles • 3 containers with 4 compartments each • 3 identical circles • 3 identical objects • 3 large circles • 3 large squares • 3 medium squares • 3 objects with the measurable attributes length, weight, and height • 3 sets of 3 objects that range in height • 3 sets of 3 objects that range in weight • 3 small squares • 30 connecting cubes • 34 connecting cubes • 4 containers with 4 compartments each • 4 various triangles • 40 objects • 42 objects • 5 medium squares • 50 objects • 6 identical objects • 6 non-money objects • 60 objects • 8 groups of 10 base ten blocks • a substance to fill a container • tactile material to create groupings • tactile material to indicate groups • tactile material to indicate specific numbers or hands on a clock • items to create a bar graph • items to create a line plot • items to create a picture graph • items to create bar graphs

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
5	<ul style="list-style-type: none"> • items to create line plots • items to create picture graphs • items to create tables • one set of 10 objects • string • two sets of 11 objects • two sets of 7 objects

Grade	Common Materials Used to Administer Testlets
6	<ul style="list-style-type: none"> • 1 rubber band • 1 cup • 1 long bent straw • 1 long straight straw • 1 paper plate cut into 3 pieces • 1 rubber band (or piece of string) • 1 rubber band (or piece of string) • 1 rubber band (or piece of string) • 1 short bent straw • 1 short straight straw • 1 whole paper plate • 2 beverage containers with lids • 2 big notebooks (i.e. 8X11) with varying number of pages • 2 identical 12-count boxes of pencils • 2 identical 12-count packs of pens • 2 identical 16-count boxes of crayons • 2 identical fraction pizzas (at least 4 pieces each) • 2 paper towel rolls • 2 small boxes • 2 small notebooks (i.e. 5x7) with varying number of pages • 5 craft sticks • 5 pens • 6 blocks • 6 buttons • 6 buttons • 6 coins • 6 crayons • 6 glue sticks • 6 plates • 7 craft sticks • 7 markers

Grade	Common Materials Used to Administer Testlets
6	<ul style="list-style-type: none"> • 7 number cubes • 8 pens • more than enough cubes to fill the largest container • one 5" x 8" x 2" rectangular container • one 3" x 3" x 2" rectangular container • one 5" x 7" x 2" rectangular container

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
6	<ul style="list-style-type: none"> • 1 box measuring 2x2x1 • 1 box measuring 3x3x1 • 1 circle divided into 2 equal parts • 1 circle divided into 3 equal parts • 1 circle divided into 4 equal parts • 1 circle divided into 4 equal parts with 1 part missing • 1 circle divided into 4 equal parts with 3 parts missing • 1 circle divided into 4 equal parts with 3 parts missing • 1 circle divided into 6 equal parts • 1 circle representing the fraction $1/10$ • 1 circle representing the fraction $1/2$ • 1 circle representing the fraction $1/4$ • 1 circle representing the fraction $1/8$ • 1 circle representing the fraction $2/4$ • 1 circle representing the fraction $3/4$ • 1 circle representing the fraction $2/3$ • 1 container with 10 compartments • 1 container with 4 compartments • 1 container with 5 compartments • 1 rectangle $1/2$ shaded • 1 rectangle completely shaded • 1 rectangle divided into 10 equal parts with 6 parts missing • 1 rectangle divided into 10 equal parts with 9 parts missing • 1 rectangle divided into 2 equal parts • 1 rectangle divided into 4 equal parts • 1 rectangle representing the fraction $1/10$ • 1 rectangle representing the fraction $1/3$ • 1 rectangle representing the fraction $1/4$ • 1 rectangle that measures $2 \times 1/2$ • 1 rectangle that measures 3×2 • 1 rectangle that measures 4×3 • 1 rectangle that measures 5×2

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
6	<ul style="list-style-type: none"> • 1 rectangle with discernable unit squares that measures 8x4 • 1 rectangle with discernable unit squares that measures 3x4 • 1 rectangle with discernable unit squares that measures 4x5 • 1 rectangle with the perimeter shaded • 1 set of 10 objects • 1 set of 20 objects • 1 set of 28 objects • 1 set of 4 identical objects • 1 set of 5 identical objects • 1 set of 7 objects • 1 square completely shaded • 1 square divided into 2 equal parts • 1 square divided into 4 equal parts • 1 square that measures 1x1 • 1 square that measures 2x2 • 1 square with 1/2 shaded • 1 square with discernable unit squares that measures 6x6 • 1 tactile rectangle with discernable unit squares that measures 4 x 4 • 1 tactile rectangle with discernable unit squares that measures 5 x 4 • 1 tactile rectangle with discernable unit squares that measures 6 x 4 • 1 tactile rectangle with discernable unit squares that measures 9 x 5 • 1 tactile thermometer displaying 2 degrees • 1 tactile thermometer displaying -4 degrees • 1 tactile thermometer displaying 6 degrees • 10 objects • 14 objects • 15 cubes • 16 identical objects • 2 circles divided into 2 unequal parts • 2 circles divided into 4 unequal parts • 2 circles divided into 6 unequal parts • 2 circles representing the fraction 1/3 • 2 identical objects • 2 rectangles divided into 2 unequal parts • 2 rectangles divided into 4 unequal parts • 2 sets of two different objects • 2 squares divided into 2 unequal parts • 2 squares divided into 4 unequal parts • 20 counters • 25 objects • 27 identical objects

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
6	<ul style="list-style-type: none"> • 3 containers with 3 compartments each • 36 objects • 4 tactile arrows in the shape of a square • 40 objects • 6 containers • 6 objects • 65 counters • 7 triangle blocks • 8 identical objects • a continuous substance • a tactile material to create groupings • circle that represents the fractions $\frac{1}{2}$ • circle that represents the fractions $\frac{1}{3}$ • circle that represents the fractions $\frac{1}{4}$ • items to create a tactile number line • items to create a tactile representation of a number line • items to create bar graphs • items to create line plots • tactile material to create groupings • tactile material to create groups • tactile material to indicate objects that are crossed out • water to fill containers

Grade	Common Materials Used to Administer Testlets
7	<ul style="list-style-type: none"> • 1 big metal button • 1 big wooden button • 1 blue foam block • 1 blue plastic block • 1 calculator • 1 cracker • 1 large black towel • 1 large full tissue box • 1 large square • 1 leaf • 1 marker • 1 medium triangle • 1 pen • 1 red foam block • 1 rubber band • 1 rubber band (or piece of string)

Grade	Common Materials Used to Administer Testlets
7	<ul style="list-style-type: none"> • 1 rubber band or string • 1 ruler • 1 small black towel • 1 small empty tissue box • 1 small full tissue box • 1 small metal button • 1 small rectangle • 1 small square • 1 small white towel • 1 thick book with text • 1 thin book with text • 1 thin picture book • 1 towel • 15 cards • 2 identical 12-count boxes of chalk • 2 identical 12-count boxes of colored pencils • 2 identical 7-count (or greater) box sets of action figures or dolls • 2 identical beads • 2 identical books • 2 identical bottle caps • 2 identical boxes of pens • 2 identical decks of cards • 2 identical glue sticks that are familiar to the student • 2 identical highlighters that are familiar to the student • 2 identical interlocking blocks that are familiar to the student • 2 identical number cubes • 2 identical packs of pencils • 2 pieces of sandpaper of varying sizes • 2 round buttons that vary in size • 2 shirts with sleeves of varying sizes • 2 sleeveless shirts of varying sizes • 2 smooth sheets of paper of varying sizes • 2 square buttons that vary in size • 6 erasers • 6 glue sticks • 6 paper clips • 7 large paperclips • 7 paintbrushes • 7 paper clips • 7 pennies • 8 notecards

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
7	<ul style="list-style-type: none"> • 1 acute angle • 1 asymmetrical trapezoid • 1 circle • 1 circle that represents the fraction $1/3$ • 1 circle that represents the fraction $2/4$ • 1 circle that represents the fraction $3/3$ • 1 circle that represents the fraction $3/4$ • 1 cone • 1 container with 14 compartments • 1 container with 8 compartments • 1 container with 9 compartments • 1 cube • 1 curved line segment • 1 cylinder • 1 equal to sign • 1 equilateral triangle • 1 greater than sign • 1 item to represent being on time • 1 item to represent not being hungry • 1 item to represent staying dry in the rain • 1 large cylinder • 1 large right triangle • 1 large sphere • 1 large square • 1 large triangle • 1 less than sign • 1 line • 1 line segment • 1 object with the measurable attribute circumference • 1 object with the measurable attribute depth • 1 object with the measurable attribute height • 1 object with the measurable attribute length • 1 object with the measurable attribute volume • 1 object with the measurable attribute weight • 1 obtuse angle • 1 pair of identical objects (1 whole and 1 divided into parts) • 1 parallelogram • 1 point • 1 ray • 1 rectangle • 1 rectangle divided into 3 unequal parts

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
7	<ul style="list-style-type: none"> • 1 rectangle divided into 4 equal parts • 1 rectangle divided into 4 unequal parts • 1 rectangle that measures 4x2 • 1 rectangle that measures 4x5 • 1 rhombus • 1 right angle • 1 set of 15 objects • 1 set of 16 objects • 1 set of 2 objects • 1 set of 2 shapes • 1 set of 20 objects • 1 set of 23 objects • 1 set of 5 objects • 1 set of 50 objects • 1 set of 6 objects • 1 set of 9 objects • 1 set of 9 objects • 1 small cylinder • 1 small sphere • 1 small square • 1 small triangle • 1 sphere • 1 square • 1 tactile rectangle with discernable unit squares that measures 5x2 • 1 tactile rectangle with discernable unit squares that measures 8x3 • 1 tactile rectangle without discernable unit squares that measures 5x3 • 1 tactile rectangle without discernable unit squares that measures 7x3 • 1 trapezoid • 1 triangle • 1 whole rectangle • 13 objects • 19 objects • 2 circles that represent the fraction $\frac{2}{3}$ • 2 different triangles • 2 identical cones • 2 identical rectangles • 2 identical triangles • 2 large circles • 2 large squares • 2 large triangles • 2 medium spheres

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
7	<ul style="list-style-type: none"> • 2 pyramids that vary in size • 2 rectangles • 2 right angles • 2 sets of 3 shapes • 2 sets of 5 identical objects • 2 small right triangles • 2 squares that vary in size • 2 triangles that vary in size • 2 whole objects • 20 identical objects • 24 identical objects • 25 objects • 3 arrows in the shape of a triangle • 3 circles that represent the fraction $\frac{1}{4}$ • 3 containers with 10 compartments each • 3 containers with 3 compartments each • 3 containers with 4 compartments each • 3 containers with 6 compartments each • 3 different triangles • 3 identical objects • 3 large rectangles • 3 small rectangles • 3 small squares • 3 small triangles • 3 tactile addition signs • 3 trapezoids • 3 triangles that vary in size • 36 objects • 4 arrows in the shape of a square • 4 different pairs of identical objects • 4 identical objects • 6 circles of varying sizes • 60 objects • items to create a bar graph • items to create a coordinate • items to create a line plot • items to create a picture graph • items to create a tactile representation of a football field and footballs • items to create bar graphs • items to create rectangles • parts of 2 objects

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
7	<ul style="list-style-type: none"> • tactile letter A • tactile letter B • tactile letter C • tactile material to create labels • tactile numbers • tactile material to create groupings • tactile material to create groups

Grade	Common Materials Used to Administer Testlets
8	<ul style="list-style-type: none"> • 1 black glossy folder • 1 black matte folder • 1 bottle • 1 clear plastic spoon • 1 closed empty box • 1 glove • 1 metal spoon • 1 open box filled with paper • 1 open empty box • 1 red glossy folder • 1 rubber band • 1 rubber band (or piece of string) • 1 rubber band (or piece of string) • 1 white plastic spoon • 2 bowls • 2 folders • 2 cups • 2 empty tissue boxes of varying sizes • 2 full tissue boxes of varying sizes • 2 identical 12- count boxes of pencils • 2 identical 12-count packs of mechanical pencils • 2 identical notebooks • 2 identical pieces of chalk • 2 identical rulers • 2 identical towels • 2 keys • 2 paper bags of varying sizes • 2 pattern blocks • 2 pattern blocks • 2 pieces of rough paper (i.e. sand paper) of varying sizes • 2 pieces of smooth paper of varying sizes

Grade	Common Materials Used to Administer Testlets
8	<ul style="list-style-type: none"> • 2 plastic bags of varying sizes • 2 thin ribbons of varying sizes • 2 wide ribbons of varying sizes • 3 bandages of varying sizes • 3 books that range in weight • 3 erasers • 3 rulers • 3 straws • 5 number cubes • 5 pens • 5 rulers • 5 sponges • 6 checkers • 6 highlighters • 6 paper clips • 7 checkers • 7 pens • 7 straws • 8 cards • 8 colored pencils • 8 counters • 8 pieces of paper

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
8	<ul style="list-style-type: none"> • 1 acute angle • 1 acute angle that measures approximately 20 degrees • 1 acute angle that measures approximately 60 degrees • 1 acute angle that measures approximately 80 degrees • 1 arrow • 1 circle • 1 circle representing the fraction $\frac{2}{4}$ • 1 circle representing the fraction $\frac{3}{4}$ • 1 circle representing the fraction $\frac{4}{4}$ • 1 circle with perpendicular lines inside • 1 cone • 1 container with 10 compartments • 1 container with 12 compartments • 1 container with 5 compartments • 1 container with 8 compartments • 1 cube

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
8	<ul style="list-style-type: none"> • 1 cylinder • 1 different triangle • 1 ellipse • 1 equal to sign • 1 greater than sign • 1 large circle • 1 large cube • 1 large equilateral triangle • 1 large rectangle • 1 large right triangle • 1 large sphere • 1 large square • 1 large triangle • 1 less than sign • 1 line • 1 medium circle • 1 medium equilateral triangle • 1 medium right triangle • 1 object divided into 3 parts • 1 object divided into 5 parts • 1 object divided into 8 parts • 1 object that has a measurable attribute of length and width • 1 object that has the measurable attribute volume • 1 obtuse angle • 1 pair of acute angles that measure approximately 30 degrees • 1 pair of acute angles that measure approximately 40 degrees • 1 pair of acute angles that measure approximately 45 degrees • 1 pair of congruent right triangles • 1 pair of similar right triangles (1 large and 1 small) • 1 rectangle • 1 rectangle representing the fraction $\frac{1}{3}$ • 1 rectangle representing the fraction $\frac{1}{4}$ • 1 rectangle representing the fraction $\frac{2}{3}$ • 1 rectangle representing the fraction $\frac{2}{4}$ • 1 rectangle representing the fraction $\frac{3}{3}$ • 1 rectangle representing the fraction $\frac{4}{4}$ • 1 rectangle that measures 10x8 • 1 rectangle that measures 6x9 • 1 rectangle that measures 8x5 • 1 rectangular prism • 1 rectangular-shaped object

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
8	<ul style="list-style-type: none"> • 1 right angle • 1 right triangle • 1 set of 10 identical objects • 1 set of 30 objects • 1 set of 8 identical objects • 1 shape with no angles • 1 similar small rectangle • 1 similar small right triangle • 1 small circle • 1 small cube • 1 small equilateral triangle • 1 small rectangle • 1 small sphere • 1 small square • 1 small triangle • 1 square • 1 square that measures 9x9 • 1 tactile coordinate grid • 1 triangle • 1/4 of a circle • 10 identical objects • 18 objects • 2 cones • 2 congruent right triangles • 2 identical asymmetrical shapes • 2 identical equilateral triangles • 2 identical right triangles • 2 identical small equilateral triangles • 2 identical squares • 2 large congruent rectangles • 2 large congruent right triangles • 2 large congruent squares • 2 large right triangles • 2 medium circles • 2 medium rectangles • 2 medium right triangles • 2 medium triangles • 2 pairs of identical asymmetrical shapes • 2 rectangles • 2 small right triangles • 2 small squares

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
8	<ul style="list-style-type: none"> • 2 tactile coordinate planes • 2 trapezoids of varying size • 2 whole objects • 20 similar objects • 3 containers with 10 compartments • 3 cylinders of different sizes (2 of which are similar) • 3 identical small circles • 3 identical small squares • 3 parts of an object • 4 containers • 4 containers, each with 10 compartments • 4 tactile coordinate planes • 40 objects • 8 objects • items to create a bar graph • items to create a line plot • items to create a picture graph • items to create a tally chart • items to create bar graphs • items to create function graphs • items to create line plots • items to create picture graphs • items to create tables • items to create tally charts • tactile material to create groupings • tactile material to create labels • tactile material to indicate area • tactile material to indicate length • tactile material to indicate parts of a shape • tactile material to indicate perimeter

Grade	Common Materials Used to Administer Testlets
HS	<ul style="list-style-type: none"> • 1 towel • 1 book • 1 domino • 1 graphing calculator • 1 large smooth paper • 1 long bent straw • 1 medium block • 1 napkin • 1 ruler • 1 short bent straw • 1 short unbent straw • 1 small block • 1 small rough paper (sandpaper) • 1 small smooth paper • 10 checkers • 2 books • 2 calculators • 2 cards • 2 cloth hats of varying sizes • 2 crayons • 2 cups • 2 dry sponges of varying sizes • 2 erasers • 2 identical 14-count packs of gum • 2 identical apples • 2 identical bandages • 2 identical bowls • 2 identical checkers • 2 identical cups • 2 identical dominoes • 2 identical four-function calculators • 2 identical glue sticks • 2 identical oranges • 2 identical rulers • 2 large blocks • 2 large notebooks of varying sizes • 2 paper cups of varying sizes • 2 pattern blocks • 2 pencils • 2 plastic cups of varying sizes • 2 pom poms • 2 quarters

Grade	Common Materials Used to Administer Testlets
HS	<ul style="list-style-type: none"> • 2 rough pieces of paper (sandpaper) of varying sizes • 2 rulers • 2 shirts with buttons of varying sizes • 2 shirts without buttons of varying sizes • 2 small notebooks of varying sizes • 2 smooth pieces of paper of varying sizes • 2 straw hats of varying sizes • 2 wet sponges of varying sizes • 3 bowls of varying sizes • 3 coins • 3 crayons • 3 markers • 3 number cubes • 3 pencils • 3 pencils of varying lengths • 3 pipe cleaners • 3 pom poms of varying sizes • 3 rulers • 3 straws of varying sizes • 3 water bottles of varying fullness • 5 buttons • 5 cotton balls • 5 pencils • 5 plates • 5 tiles • 6 cards • 6 pencils • 6 playing cards • 7 bandages • 7 buttons • 7 candy bars • 7 checkers • 7 glue sticks • 7 highlighters • 7 keys • 7 straws • 7 straws • 8 CDs • 8 spoons • 9 pencils

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
HS	<ul style="list-style-type: none"> • 1 acute angle • 1 arrow • 1 circle • 1 cone • 1 container • 1 container with 10 compartments • 1 cube • 1 cube shaped object • 1 cylinder • 1 cylinder shaped object • 1 different container • 1 different rectangle • 1 large circle • 1 large cone • 1 large equilateral triangle • 1 large octagon • 1 large sphere • 1 large triangle • 1 line • 1 line segment • 1 medium cylinder • 1 medium rectangle • 1 medium square • 1 object • 1 object with the measurable attribute height • 1 object with the measurable attribute length • 1 object with the measurable attribute volume • 1 obtuse angle • 1 obtuse triangle • 1 parallelogram • 1 point • 1 ray • 1 rectangle • 1 rectangle shaped object • 1 rectangle that measures 5 x 10 • 1 rectangle with discernable unit squares that measures 4 x 3 • 1 rectangle with discernable unit squares that measures 4 x 6 • 1 rectangle with discernable unit squares that measures 5 x 4 • 1 rectangular prism • 1 rhombus • 1 right angle

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
HS	<ul style="list-style-type: none"> • 1 right triangle • 1 set of adjacent angles • 1 set of intersecting non-perpendicular lines • 1 set of line segments that do not meet • 1 set of lines that do not meet • 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 cylinder • 1 small equilateral triangle • 1 small octagon • 1 small rectangle • 1 small similar isosceles triangle • 1 small similar rectangle • 1 small similar right triangle • 1 small sphere • 1 small square • 1 sphere • 1 square • 1 square that measures 8 x 8 • 1 square with discernable unit squares that measures 3 x 3 • 1 tactile coordinate grid • 1 tactile spinner • 1 trapezoid • 1 triangle • 18 objects • 2 congruent arrows • 2 congruent large cylinders • 2 congruent large rectangles • 2 congruent medium squares • 2 congruent rectangles (1 divided in half to make 2 squares) • 2 congruent trapezoids • 2 different pairs of identical asymmetrical shapes • 2 identical circles • 2 identical cones • 2 identical containers • 2 identical isosceles triangles • 2 identical pentagons

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
HS	<ul style="list-style-type: none"> • 2 identical rectangles • 2 identical rectangular prisms • 2 identical trapezoids • 2 identical triangles • 2 large congruent equilateral triangles • 2 large congruent isosceles triangles • 2 large congruent rectangles • 2 large congruent right triangles • 2 large rectangles • 2 large squares • 2 medium congruent rectangles • 2 rectangles • 2 rectangles without discernable unit squares • 2 similar cylinders (1 large and 1 small) • 2 small congruent rectangles • 2 small rectangles • 2 small squares • 2 small triangles • 2 squares • 20 similar objects • 23 objects • 24 objects • 3 congruent large cones • 3 congruent rectangles • 3 containers large enough to hold 24 objects • 3 identical asymmetrical shapes • 3 identical objects • 3 identical right triangles • 3 points • 3 tactile coordinate planes • 35 objects • 4 different sets of 5 identical objects • 4 various triangles • 63 connecting objects • 7 identical objects • 77 identical objects • items to create 3 spinners • items to create a bar graph • items to create a function graph • items to create a function table • items to create a line graph

Grade	Common Materials Used to Administer Testlets for Students Who Are Blind or Have Visual Impairments
HS	<ul style="list-style-type: none"> • items to create a line plot • items to create a picture graph • items to create a pie chart • items to create a table • items to create bar graphs • items to create function graphs • items to create function tables • items to create line graphs • items to create number lines • items to create picture graphs • items to create pie charts • items to create representations of transformations • items to create tables • tactile material to create groupings