

## Tips for Using Manipulatives

Manipulative	Activity
CD of graphics	Load the graphics CD into the student's augmentative communication device or print out graphics to allow students to access them in different ways.
Clock/watch	Use a clock or watch to tell time. Match the time on the digital clock or watch to the time on the graphic.
Coins	Place coins on the appropriate graphic in the student booklet. Students may point to, pick up, hold, and feel the edges of each coin.
Counters	Use counters to count objects in a graphic. Counters in multiple colors can identify shapes (red cubes represent hearts, blue cubes represent circles). Cubes are preferred because they do not roll on the table.
Objects	Use objects the student is familiar with instead of the graphics in the <i>Student Booklet</i> (book, crayons, measuring cup, pencil, pitcher, straws).
Standard ruler	Use standard ruler to measure the length of objects in a graphic. The ruler can also be used to determine which line is the highest by positioning the ruler across the top of all lines.
Tactile	Use tactile numbers to feel the shape of the number. Some students identify the number by its tactile number.
Two-dimensional shapes	Print out graphics from CD and cut out shapes (circle, square, stars).
Three-dimensional shapes	Use three-dimensional shapes to compare to graphics and other shapes. Allow the student to pick up, hold, and feel the shape.
Wikki Stix	Use Wikki Stix to measure graphics (animals, pizza), measure height of objects, outline graphics, trace a path on a grid.



Louisiana Department of Education  
Office of Student and School Performance  
Division of Assessments and Accountability

SECURE MATERIALS. MAY NOT BE DUPLICATED.

ELA896-Manipulatives List Grade9-11



# English Language Arts Mathematics Science

## Manipulatives List

grades 9-11

Louisiana Department of  
**EDUCATION**

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## LAA 1 Manipulatives—grade span 9–11

Some students may require manipulatives to access certain LAA 1 performance tasks. The following list contains suggested manipulatives for the grade span 9–11 performance tasks. For some tasks, students will generally not need manipulatives; therefore, manipulatives are not listed for those tasks. However, if the task administrator determines manipulatives may be needed for those tasks for a student, manipulatives may be used. Manipulatives more familiar to the students, such as those used in the classroom, may be used in place of the ones suggested.

### English Language Arts

#### Task Manipulatives Suggested

1–25 These performance tasks do not lend themselves to the use of manipulatives.

### Mathematics

#### Task Manipulatives Suggested

- 1 Nine forks or counters (type 1), ten spoons or counters (type 2)
- 2 Three counters (type 1), four counters (type 2), tactile numbers
- 3 Six caps or counters, tactile numbers, “+” symbol
- 4 Thirteen pieces of bread or counters
- 5 Sixteen shoes or counters
- 6 Twenty-two counters
- 7 This performance task does not lend itself to the use of manipulatives.
- 8 Counters, tactile numbers and “×,” “+,” and “=” symbols
- 9 Twenty counters, tactile numbers, “+” and “=” symbols
- 10 Three boxes: one with the top on, an open box with an object inside, an open box that is empty
- 11 Ten paper clips, tactile numbers
- 12 This performance task does not lend itself to the use of manipulatives.
- 13 Wikki Stix or puff paint to trace route
- 14 This performance task does not lend itself to the use of manipulatives.
- 15 This performance task does not lend itself to the use of manipulatives.
- 16 Wikki Stix or puff paint to raise line, tactile numbers
- 17 This performance task does not lend itself to the use of manipulatives.
- 18 Tactile numbers or three counters (type 1), three counters (type 2), one counter (type 3), one counter (type 4)
- 19 Eight counters (A), four counters (B), two counters (1), four counters (2), two counters (circles), four counters (triangles), three counters (diamonds), three counters (triangles)
- 20 Wikki Stix or puff paint to outline shapes
- 21 Tactile numbers
- 22 Three squares, three circles, two triangles, one hexagon
- 23 Counters, blocks, cut Wikki Stix or straws, puff paint
- 24 Counters, blocks, cut Wikki Stix or straws, puff paint, tactile numbers
- 25 Counters, tactile numbers

Note: Counters can be used to count objects in a graphic (tree = counter, house = counter). Different types of counters (different colors, different shapes) can represent the various objects in a pattern (red or round counter = bird, yellow or square counter = dog).

### Science

#### Task Manipulatives Suggested

- 1–7 These performance tasks do not lend themselves to the use of manipulatives.
- 8 The actual objects (can, seeds, sticks, worm) may be used.
- 9–10 These performance tasks do not lend themselves to the use of manipulatives.
- 11 The actual objects (safety goggles, hard hat, rubber gloves, rubber boots) may be used.
- 12–14 These performance tasks do not lend themselves to the use of manipulatives.
- 15 Counters, Wikki Stix, or cut straws
- 16 The actual objects (stethoscope, binoculars, balance scale, thermometer) may be used.
- 17 The actual objects (microscope, telescope, stethoscope, magnifying glass) may be used.
- 18 The actual objects (cork, rock, key, life preserver) may be used.
- 19–22 These performance tasks do not lend themselves to the use of manipulatives.
- 23 Magnets may **not** be used.
- 24–25 These performance tasks do not lend themselves to the use of manipulatives.