




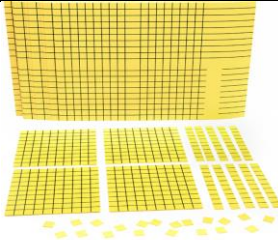




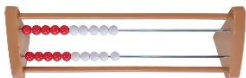


### Appendix A-13: Math Manipulatives Guidance

**Purpose:** To streamline requests across the LEAs submitting requests for math manipulatives the following math manipulatives are available for request. Others can be requested but a description/visual must be provided as well as a statement of how test security will be maintained.

**To request Math Manipulatives.**

1. Complete Appendix A-3 (Unique Accommodations Request) and check Math Manipulatives.
2. In the Description section – The **NAME(S)** of the manipulative(s) must be mentioned and the student **MUST** be using it in his/her classroom to complete math tasks.
3. DOE will review IEPs to see if they are provided as tools/supports to the students before approving the request.
4. Review the Security Tips with the Teacher/Test Administrator **BEFORE** the assessment begins.

|  |   |   | <b>SECURITY TIPS</b>  |
|--|---|---|---|
| <br><small>and tiles</small><br><b>Colored Tiles</b>                    | <br><small>Geoblocks Set</small><br><b>Geoblocks Set</b>                             | <br><small>Omnifix Cubes</small><br><b>Omnifix Cubes</b>                 | <ul style="list-style-type: none"> <li>➤ Manipulatives must be provided to the student in a sealed bag or bin <b>BEFORE</b> the assessment begins.</li> <li>➤ Manipulatives must be stored at the student’s work space/testing area to minimize movement.</li> <li>➤ Test Administrators/Teachers may not interact with the manipulatives once provided to the student.</li> <li>➤ If the student is using a scribe due to physical injury or other impairment and cannot physically interact with the pieces independently, math manipulatives cannot not be used.</li> <li>➤ Test Administrators/Teachers may not count out/supply manipulatives to the student.</li> <li>➤ Test Administrators/Teachers may not direct or prompt the student to use the math manipulatives.</li> </ul> |
| <br><small>Pattern Blocks</small><br><b>Pattern Blocks</b>             | <br><small>Tangrams</small><br><b>Tangrams</b>                                      | <br><small>Base Ten Area Pieces</small><br><b>Base Ten Area Pieces</b> |   |
| <br><small>Bean Counters</small><br><b>Bean Counters</b>              | <br><small>Large Base Ten Area Pieces</small><br><b>Large Base Ten Area Pieces</b> | <br><small>Plastic 1-Gram Cubes</small><br><b>Plastic 1-Gram Cubes</b> |   |
| <br><small>Geoboard blocks</small><br><b>Geoboards &amp; Geobands</b> | <br><b>Number Rack</b>   |   |   |