

Standard #: MA.4.G.3.1 Archived Standard

This document was generated on CPALMS - www.cpalms.org

Describe and determine area as the number of same-sized units that cover a region in the plane, recognizing that a unit square is the standard unit for measuring area.

Grade: 4

Big Idea: [BIG IDEA 3](#) - Develop an understanding of area and determine the area of two-dimensional shapes.

Date Adopted or Revised: 09/07

Content Complexity Rating: [Level 2: Basic Application of Skills & Concepts](#) - [More Information](#)

Date of Last Rating: 06/07

Status: State Board Approved - Archived

Assessed: Yes

Remarks/Examples

Geoboards, tiles, and grid paper provide helpful contexts for this exploration. The focus is on countable units rather than multiplying dimensions.

TEST ITEM SPECIFICATIONS

Item Type(s): This benchmark may be assessed using: [MC](#) item(s)

At Grade 4, this benchmark will be assessed using MC items.

Clarification :

Students will determine the area of a figure or a region on a plane by using countable units rather than multiplying dimensions.

Content Limits :

Items may include estimating areas of irregular geometric shapes, such as a figure in the shape of a pond, a mitten, a foot, the sole of a shoe, or a solid letter D.

Items should include countable units that estimate to a whole unit or half unit.

Items may use only a one-to-one scale.

Stimulus Attributes :

Shapes must be shown on a grid (or a gridlike graphic, such as geoboards or tiles); however, grid lines need not extend through the shape.

Items may be set in either a real-world or mathematical context.

SAMPLE TEST ITEMS (1)

Test Item #: [Sample Item 1](#)

Question: Carla drew a picture of the shape of a pond at the park. It has an area of about 28 square yards. Which of the following could be Carla's picture of the pond?

Difficulty: N/A

Type: [MC](#): [Multiple Choice](#)

Related Resources

Lesson Plan

Name	Description
Area Isn't Just for Squares:	This lesson helps students make the connections between area and multiplication using square tiles.
Celebrity Floor Plan Frenzy:	Students will help an architect find the area of each room in a celebrity home and then determine the best location to build the home based on qualitative data about the locations.

Unit/Lesson Sequence

Name	Description
------	-------------

