

Unit 12 - Geometric Shapes and Equal Shares

Content Area: **Mathematics**
Course(s):
Time Period: **June**
Length: **3-4 weeks**
Status: **Published**

Unit Overview

Unit 12 connects with the theme of Let's Go to the Park! which centers on things in the park. Students will be asked to explain their reasoning throughout the chapter when classifying and comparing shapes. They will also be asked to determine what attributes shapes have in common and they will identify counterexamples. Students can use concrete objects, drawings, diagrams, and the definitions of various shapes when constructing their arguments.

Essential Questions

“How do I use shapes and equal parts?”

Content

Two-Dimensional Shapes

Sides and Angles

Problem-Solving Strategy: Draw a Diagram

Three-Dimensional Shapes

Faces, Edges, and Vertices

Relate Shapes and Solids

Halves, Thirds, and Fourths

Area

Skills

Identify two-dimensional geometric shapes.

Recognize attributes (sides and angles) of shapes.

Draw a diagram to solve problems.

Identify three-dimensional geometric shapes.

Describe the faces, edges, and vertices of three-dimensional shapes.

Discuss the relationship between shapes and solids

Partition two- dimensional shapes into two, three, or four equal shares.

Determine the area of a rectangle.

Assessments

Online Readiness Quiz

Vocabulary Check

Concept Check - Check My Progress

Chapter Test

Teacher Observation

Lessons/Learning Scenarios

MyMath Grade 2

Chapter 12: Lessons 1-8

Standards

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|---------------------------|--|
| CCSS.Math.Content.2.G.A.1 | Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. |
| CCSS.Math.Content.2.G.A.2 | Partition a rectangle into rows and columns of same-size squares and count to find the total number of them. |
| CCSS.Math.Content.2.G.A.3 | Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape. |

Resources

- pattern blocks
- attribute blocks
- classroom objects (pencils, erasers, etc.)
- three-dimensional objects
- soccer ball
- tissue box
- baseball
- crayon box
- three-dimensional geometric solids
- fraction circles and squares
- color tiles