# May Gr. 3 Perim. and Area 

Content Area: Math
Course(s):
Time Period:
Length:
Status:

May
4-5 Weeks
Obsolete

## Unit Overview

Students will understand how to find the perimeter of a figure, how to find the area of a figure, how to use tiling to find area, how to use a formula to find area and how to find area for composite figures.

## Enduring Understandings

Perimeter is the length around a figure, while area is measured in square units.
The dimensions of a rectangle are called length and width.
You can decompose a composite figure to find area.

## Essential Questions

How are perimeter and area related and how are they different?

## Instructional Strategies \& Learning Activities

- Pacing Guide Suggested Pacing

Instruction
Review/Assessment
Total*

12 days
2 days
14 days

- *Includes additional time for remediation and differentiation.
$\bullet$
Lesson
Lesson 1 pp. 753-758
Hands On:
Find Perimeter

Objective
Explore finding the • masking tape or sidewalk perimeter perimeter of a figure. chalk

- centimeter ruler
- inch ruler
- base-ten cubes


| Distribuive Property |  |  |  | Major Cluster |
| :---: | :---: | :---: | :---: | :---: |
| Lesson 8 pp. 797-802 <br> Area of Composite Figures | Find the area of composite figures. | - 10-by-10 grid paper <br> - scissors | composite figure | $\begin{aligned} & \text { MP 2, 3, 5, } \mathbf{7} \\ & \text { 3.MD.5, 3.MD.7, } \\ & \text { 3.MD.7b, } \\ & \text { 3.MD.7d } \end{aligned}$ |
|  |  |  |  | Major Cluster |
| Check My Progress |  |  |  |  |
| Lesson 9 pp. 805-810 Area and Perimeter | Recognize the relationship between area and perimeter. | - color tiles |  | $\begin{aligned} & \text { 3.MD.5, 3.MD.7, } \\ & \text { 3.MD.7b, } \\ & \text { 3.MD.8 } \end{aligned}$ |
|  |  |  |  | Additional Cluster |
|  |  |  |  | $\begin{aligned} & \text { MP 1, } 2,3,4,6, \\ & 8 \end{aligned}$ |
| Lesson 10 pp. 811-816 Problem-Solving Investigation: Draw a Diagram | Draw a diagram to solve problems. | - counters |  | 3.MD.5, 3.MD.7, |
|  |  |  |  | 3.MD.7b, |
|  |  |  |  | 3.MD. 8 |
|  |  |  |  | Additional Cluster |
|  |  |  |  | MP 1, 4, 5, 6 |
| My Review and Reflect |  |  |  |  |

## Integration of Career Readiness, Life Literacies and Key Skills

WRK.9.2.5.CAP. 1

WRK.9.2.5.CAP. 2
WRK.9.2.5.CAP. 3

WRK.9.2.5.CAP. 4

TECH.9.4.8.CT
TECH.9.4.8.TL. 2

TECH.9.4.8.TL. 3

Evaluate personal likes and dislikes and identify careers that might be suited to personal likes.
Identify how you might like to earn an income.
Identify qualifications needed to pursue traditional and non-traditional careers and occupations.

Explain the reasons why some jobs and careers require specific training, skills, and certification (e.g., life guards, child care, medicine, education) and examples of these requirements.

Critical Thinking and Problem-solving
Gather data and digitally represent information to communicate a real-world problem (e.g., MS-ESS3-4, 6.1.8.EconET.1, 6.1.8.CivicsPR.4).

Select appropriate tools to organize and present information digitally.
An essential aspect of problem solving is being able to self-reflect on why possible solutions for solving problems were or were not successful.

Multiple solutions often exist to solve a problem.

## Technology and Design Integration

Students will interact with Smartboard, Chromebooks and document camera.

| CS.3-5.8.1.5.DA. 1 | Collect, organize, and display data in order to highlight relationships or support a claim. |
| :--- | :--- |
| CS.3-5.DA | Data \& Analysis |
|  | Data can be organized, displayed, and presented to highlight relationships. |

## Interdisciplinary Connections

LA.RI.3.1

LA.RI.3.4

LA.RI.3.7

LA.RI.3.10

Ask and answer questions, and make relevant connections to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.

## Differentiation

Each My Math unit throughout the series offers "approaching level", "on level" and "Beyond level" differentiated instructional hands-on choices, as well as ELL differentiated support. Please refer to the teacher edition for the activities.

## Modifications \& Accommodations

IEP and 504 accommodations will be followed.

## Benchmark Assessments

Aimsweb Assessment, Chapter Pretests, Dreambox

## Formative Assessments

Teacher observation
Student conferences
Discussion

## Activities

games
homework

## Summative Assessments

My Math chapter assessments

## Instructional Materials

See materials listed above

## Standards

| MA.3.MD.C. 5 | Recognize area as an attribute of plane figures and understand concepts of area <br> measurement. |
| :--- | :--- |
| MA.3.MD.C. 6 | Measure areas by counting unit squares (square cm , square m, square in, square ft , and <br> non-standard units). |
| MA.3.MD.C. 7 | Relate area to the operations of multiplication and addition. |
| MA.3.MD.C.5a square with side length 1 unit, called "a unit square," is said to have "one square unit" of |  |
| area, and can be used to measure area. |  |

MA.3.MD.C.7d

MA.3.MD.D. 8

Use tiling to show in a concrete case that the area of a rectangle with whole-number side lengths $a$ and $b+c$ is the sum of $a \times b$ and $a \times c$. Use area models to represent the distributive property in mathematical reasoning.

Recognize area as additive. Find areas of rectilinear figures by decomposing them into non-overlapping rectangles and adding the areas of the non-overlapping parts, applying this technique to solve real world problems.

Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters.

