

May Gr 4 My Math Unit 13: Perimeter and area

Content Area: **Math**
Course(s):
Time Period: **May**
Length: **4-5 Weeks**
Status: **Published**

Unit Overview

Students will learn about perimeter and area.

Enduring Understandings

We can find the perimeter of a rectangle.

We can find the perimeter of a rectangle by using formula.

We can find the area of a rectangle.

We can find the area of a square.

We can relate the perimeter and area of rectangles.

Essential Questions

Why is it important to measure perimeter and area?

Instructional Strategies & Learning Activities

Pacing Guide

Suggested Pacing

Instruction 5 days

Review/Assessment 2 days

Total* 7 days

*Includes additional time for remediation and differentiation.

Lesson	Objective	Material & Manipulatives	Vocabulary	Standard
Lesson 1 <i>pp.</i> 825-830	Find the perimeter of	• chenille stems	perimeter	4.MD.3

Measure Perimeter	a figure.	• ruler		SupportingCluster
				MP 2, 3, 4, 6 4.MD.3
Lesson 2 <i>pp.</i> 831-836 Problem Solving Investigation: Solve a Simpler Problem	Solve a simpler problem to solve problems.			SupportingCluster MP 1, 3, 5, 8
Check My Progress				
Lesson 3 <i>pp.</i> 839-844 Hands On: Model Area	Explore the area of a figure.	• self-stick notes	unit square square unit area	4.MD.3 SupportingCluster MP 2, 3, 5, 6, 7, 8 4.MD.3
Lesson 4 <i>pp.</i> 845-850 Measure Area	Find the area of rectangles and squares.	• connecting cubes	area	SupportingCluster MP 1, 2, 3, 4, 6, 7, 8 4.MD.3
Lesson 5 <i>pp.</i> 851-856 Relate Area and Perimeter	Relate area to perimeter.	• construction paper • markers		SupportingCluster MP 1, 2, 4, 6

My Chapter Review

Integration of Career Readiness, Life Literacies and Key Skills

WRK.9.2.5.CAP	Career Awareness and Planning
WRK.9.2.5.CAP.1	Evaluate personal likes and dislikes and identify careers that might be suited to personal likes.
TECH.9.4.8.TL	Technology Literacy
TECH.9.4.8.CT	Critical Thinking and Problem-solving
TECH.9.4.8.TL.2	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).
WRK.9.2.5.CAP.2	Identify how you might like to earn an income.

	An individual's passions, aptitude and skills can affect his/her employment and earning potential.
TECH.9.4.8.TL.3	Select appropriate tools to organize and present information digitally.
WRK.9.2.5.CAP.3	Identify qualifications needed to pursue traditional and non-traditional careers and occupations.
	An essential aspect of problem solving is being able to self-reflect on why possible solutions for solving problems were or were not successful.
WRK.9.2.5.CAP.4	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.

Technology and Design Integration

- SMARTboard technology
- Google Applications (documents, forms, spreadsheets, presentation)
- Dreambox
- Online textbook

	Data can be organized, displayed, and presented to highlight relationships.
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

Interdisciplinary Connections

Leveled readers, "Solving the Pyramid Puzzle"

LA.RI.4.4	Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 4 topic or subject area.
LA.RI.4.1	Refer to details and examples in a text and make relevant connections when explaining what the text says explicitly and when drawing inferences from the text.
LA.SL.4.1	Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.

Differentiation

- Reteach Master
- Hands-On Activity
- Enrich Master

Modifications & Accommodations

IEP and 504 accommodations will be utilized.

Provide an outline of material to be covered

- Individualized assignments, e.g., length, number, due date, topic
- Allow student to use technology-online textbook
- Use of graphic organizers
- Use highlighter for key information
- Read directions, passages, and word problems aloud as needed-online presentation
- Use of calculator and matrix for multiplication and division
- Provide textbook in audio format
- Demonstrate directions and procedures/give examples

Benchmark Assessments

- AIMS Web
- Diagnostic and EOY Assessments

Formative Assessments

- Check My Progress
- My Chapter Review
- Homework Practice
- Independent Practice

Summative Assessments

Instructional Materials

See instructional materials listed above.

Standards

MA.4.MD.A.3

Apply the area and perimeter formulas for rectangles in real world and mathematical problems.