

May Gr 4 My Math Unit 13: Perimeter and area

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

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 rectangele 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
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Lesson 1 <i>pp. 825-830</i> Measure Perimeter	Find the perimeter of a figure.	<ul style="list-style-type: none"> • chenille stems • ruler 	perimeter	4.MD.3 SupportingCluster MP 2, 3, 4, 6 4.MD.3 SupportingCluster MP 1, 3, 5, 8
Lesson 2 <i>pp. 831-836</i> Problem Solving Investigation: Solve a Simpler Problem	Solve a simpler problem to solve problems.			
Check My Progress				
Lesson 3 <i>pp. 839-844</i> Hands On: Model Area	Explore the area of a figure.	<ul style="list-style-type: none"> • self-stick notes 	unit square square unit area	4.MD.3 SupportingCluster MP 2, 3, 5, 6, 7, 8 4.MD.3 SupportingCluster MP 1, 2, 3, 4, 6, 7, 8 4.MD.3 SupportingCluster MP 1, 2, 4, 6
Lesson 4 <i>pp. 845-850</i> Measure Area	Find the area of rectangles and squares.	<ul style="list-style-type: none"> • connecting cubes 	area	
Lesson 5 <i>pp. 851-856</i> Relate Area and Perimeter	Relate area to perimeter.	<ul style="list-style-type: none"> • construction paper • markers 		

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.
WRK.9.2.5.CAP.2	Identify how you might like to earn an income.
WRK.9.2.5.CAP.3	Identify qualifications needed to pursue traditional and non-traditional careers and occupations.
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.
TECH.9.4.8.CT	Critical Thinking and Problem-solving
TECH.9.4.8.TL	Technology Literacy

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).
TECH.9.4.8.TL.3	<p>Select appropriate tools to organize and present information digitally.</p> <p>An individual's passions, aptitude and skills can affect his/her employment and earning potential.</p> <p>An essential aspect of problem solving is being able to self-reflect on why possible solutions for solving problems were or were not successful.</p>

Technology and Design Integration

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

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	<p>Data & Analysis</p> <p>Data can be organized, displayed, and presented to highlight relationships.</p>

Interdisciplinary Connections

Leveled readers, "Solving the Pyramid Puzzle"

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.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.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

- Chapter 13 assessment

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.