Materials List:
- Multiply or Divide by 5

Eureka Math

3rd Grade
Module 7
Lesson 23

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Directions for customizing presentations are available on the next slide.

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Screen A

"pop-out"

Screen B

ReadyGEN™ in Action

3rd Grade
Unit 3, Module A
Lesson 1

Gr3(2) U3MAL1 Sample Lesson.pptx

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EN™ in Action

3rd Grade
Unit 3, Module A
Lesson 1

Icons

RDW — Read, Draw, Write

Learning Target

Personal White Board

Problem Set

Manipulatives Needed

Fluency

Think Pair Share
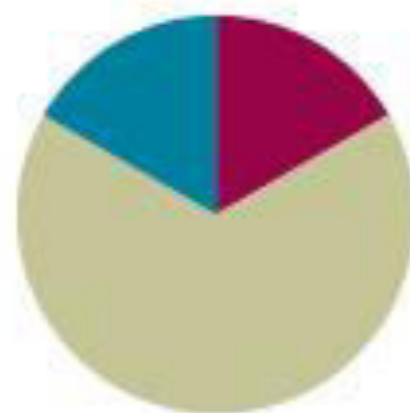
Whole Class

Individual

Partner

Small Group

Small Group Time

Lesson 23

Objective: Solve a variety of word problems with perimeter.

Suggested Lesson Structure

■ Fluency Practice	(10 minutes)
■ Concept Development	(40 minutes)
■ Student Debrief	(10 minutes)
Total Time	**(60 minutes)**

I can solve a variety of word problems with perimeter.

Fluency Practice

Sprint: Multiply or Divide by 5 (10 minutes)

A

Number Correct: _____

Multiply or Divide by 5

1.	$2 \times 5 =$		23.	___ $\times 5 = 50$	
2.	$3 \times 5 =$		24.	___ $\times 5 = 10$	
3.	$4 \times 5 =$		25.	___ $\times 5 = 15$	
4.	$5 \times 5 =$		26.	$50 \div 5 =$	
5.	$1 \times 5 =$		27.	$25 \div 5 =$	
6.	$10 \div 5 =$		28.	$5 \div 5 =$	

Concept Development

(40 minutes)

Today, we will work in pairs and groups to independently solve the six problems in our Problem Set.

Problem 1: Gale makes a miniature stop sign, a regular octagon, with a perimeter of 48 centimeters for the town he built with blocks. What is the length of each side of the stop sign?

Problem 2: Travis bends wire to make rectangles. Each rectangle measures 34 inches by 12 inches. What is the total length of the wire needed for two rectangles?

Problem 3: The perimeter of a rectangular bathroom is 32 feet. The width of the room is 8 feet. What is the length of the room?

Problem 4: Raj uses 6-inch square tiles to make a rectangle, as shown below [to the right]. What is the perimeter of the rectangle in inches?

Problem 5: Mischa makes a 4-foot by 6-foot rectangular banner. She puts ribbon around the outside edges. The ribbon costs $2 per foot. What is the total cost of the ribbon?

Problem 6: Colton buys a roll of wire fencing that is 120 yards long. He uses it to fence in his 18-yard by 24-yard rectangular garden. Will Colton have enough wire fencing left over to fence in a 6-yard by 8-yard rectangular play space for his pet rabbit?
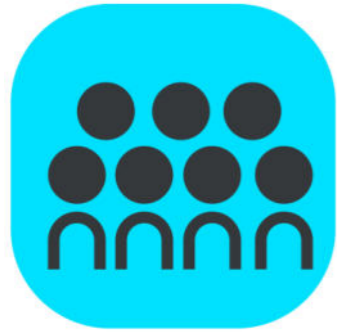
Debrief (10 minutes)

- How was setting up the problem to solve Problem 1 different from setting up the other problems? What did you need to know about the stop sign before you could solve?
- Explain to a partner how knowing the perimeter and the width helped you find the length of the rectangle in Problem 3.
- Explain to a partner how you were able to find the perimeter of the rectangle in Problem 4 without knowing either side length.
- How does knowing the perimeter of the banner in Problem 5 help you find the cost of the ribbon?
- You found that Colton has enough fencing to complete both projects in Problem 6. How much fencing will be left over after he fences in his garden and a play space for his rabbit?
- Which problem did you find most difficult? Why?

Exit Ticket (3 minutes)

Name _____   Date _____

Adriana traces a regular triangle to create the shape below. The perimeter of her shape is 72 centimeters. What are the side lengths of the triangle?