Area and Perimeter of Rectangles

Today's Standard

4.MD.A3 - Apply the area and perimeter formulas for rectangles in real world and mathematical problems. For example, find the width of a rectangular room given the area of the flooring and the length, by viewing the area formula as a multiplication equation with an unknown factor.

Cues	Notes
Area	Area is the amount of space inside a rectangle.
Perimeter	Perimeter is the distance around the outside of a rectangle.
Formulas	Area formula: length x width.
Real-world applications	Perimeter formula: 2 x (length + width).
Common misconceptions	Real-world applications include calculating materials needed for projects.
	Common misconceptions include confusing area and perimeter formulas.

Summary

Understanding and applying the area and perimeter formulas for rectangles helps solve real-world problems and prepares students for more advanced mathematical concepts.