

Name: _____ Date: _____ Score: _____

Area and Perimeter - rectangles

Miles is sweeping the floor. The floor is twelve feet by twelve feet. What is the area of the floor that Miles is sweeping?

John's room is ten feet wide and fifteen feet long. What is the area of John's room?

Sharon's family built a fence around the back yard. The back yard is shaped like a rectangle, ten yards wide and eighteen yards long. How many feet of fencing did Sharon's family have to build?

The area of Tisha's room is one hundred and twenty square feet. Her room is twelve feet wide. How long is it?

The perimeter around the boxing ring is twenty five meters. The ring is five meters long. How wide is the ring?

Answers

Miles is sweeping the floor. The floor is twelve feet by twelve feet. What is the area of the floor that Miles is sweeping?	area = 12×12 area = 144 square feet
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John's room is ten feet wide and fifteen feet long. What is the area of John's room?	area = 10×15 area = 150 square feet
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Sharon's family built a fence around the back yard. The back yard is shaped like a rectangle, ten yards wide and eighteen yards long. How many feet of fencing did Sharon's family have to build?	perimeter = $(2 \times 10) + (2 \times 18)$ perimeter = $20 + 36$ perimeter = 56 yards
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The area of Tisha's room is one hundred and twenty square feet. Her room is twelve feet wide. How long is it?	$\underline{\quad} \times 12 = 120$ square feet $10 \times 12 = 120$ square feet answer: 10 feet long
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The perimeter around the boxing ring is twenty five meters. The ring is five meters long. How wide is the ring?	$(5 \times 2) + (\underline{\quad} \times 2) = 20$ $10 + (\underline{\quad} \times 2) = 20$ $\underline{\quad} \times 2 = 20 - 10$ the ring is 5 meters wide
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