Unit 6, Lesson 14

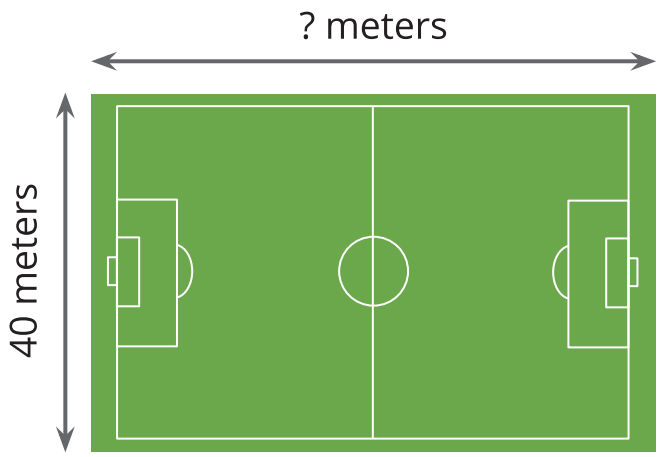
Situations Involving Area

Let's divide to find the side length of a rectangle.

Warm-up

Estimation Exploration: Area of a Soccer Field

Estimate: What is the length of the soccer field in meters?



area: 2,280 square meters

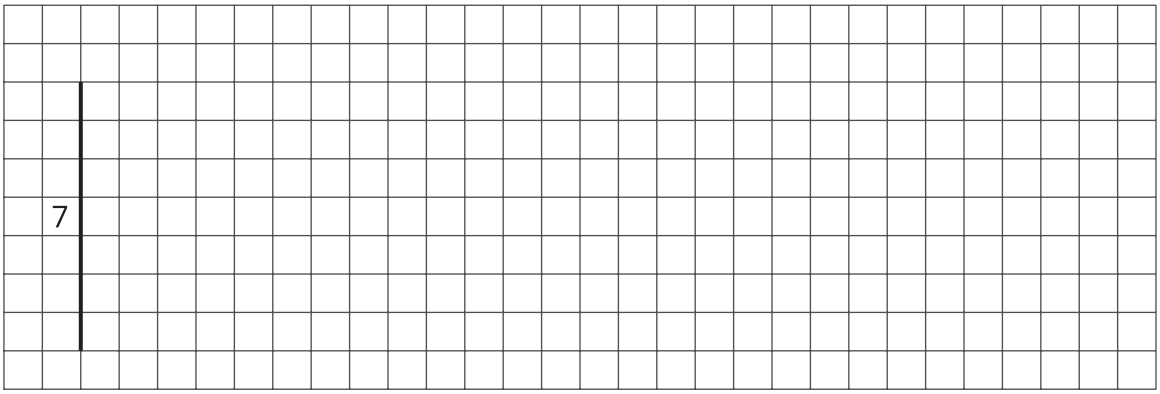
Record an estimate that is:

too low	about right	too high

Activity 1

Elena's Mural

Elena uses 189 square tiles to create a rectangular mural for the art club. The mural is 7 tiles wide.



1. How many tiles long is Elena's mural? Explain or show your reasoning.

2. Write one or more equations that show how you solved this problem.

Activity 2

Tyler's Mural

Tyler is also creating a rectangular mural for the art club. He has 197 tiles for his mural. He wants the mural to be 6 tiles wide with no gaps or overlaps between the tiles.

1. Will Tyler use all of his tiles in the mural? Explain your reasoning.

2. How many tiles long will Tyler's mural be? Show your thinking using diagrams, symbols, or other other representations.