## Lesson 1: Explore the Coordinate Grid

* Let’s explore the coordinate grid.

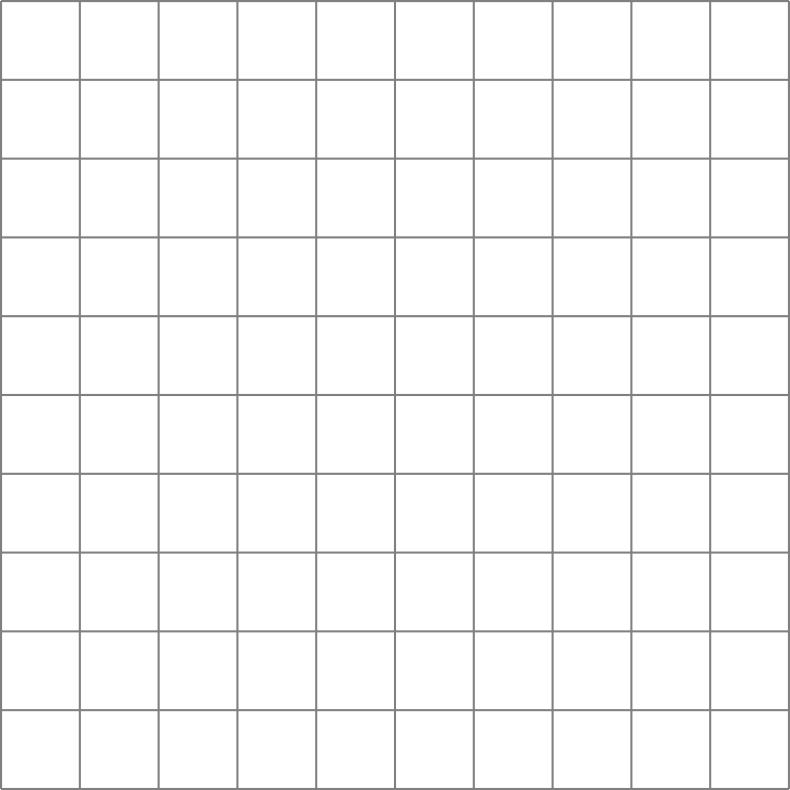
### Warm-up: Notice and Wonder: The Grid

What do you notice? What do you wonder?



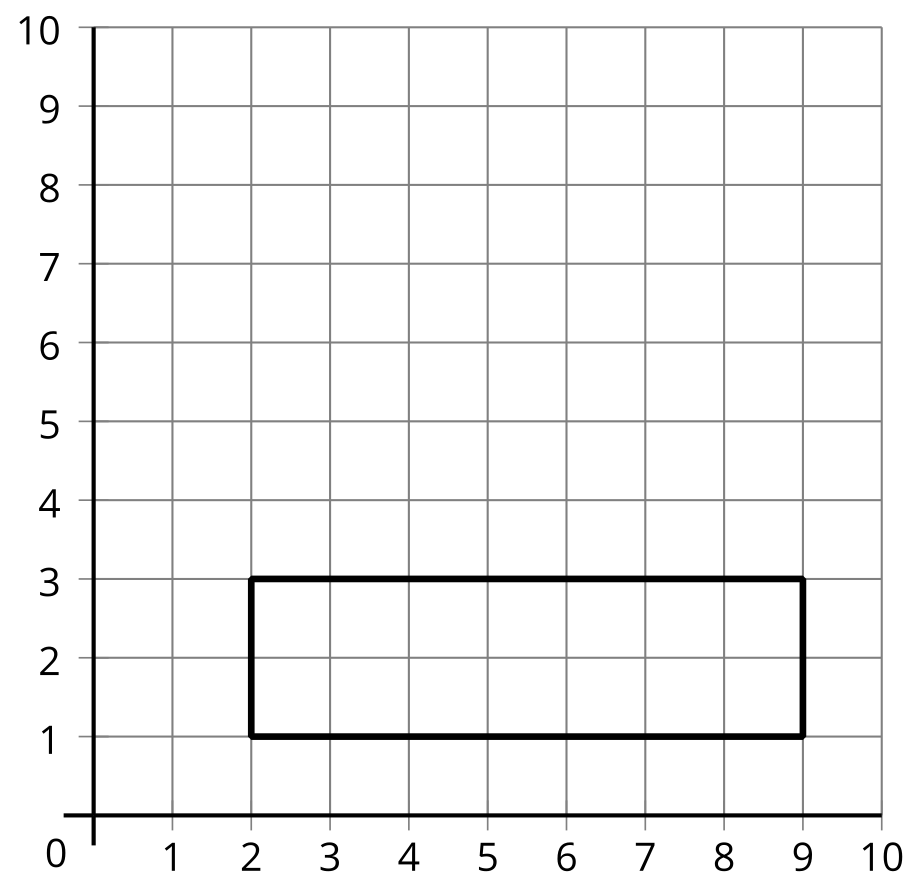
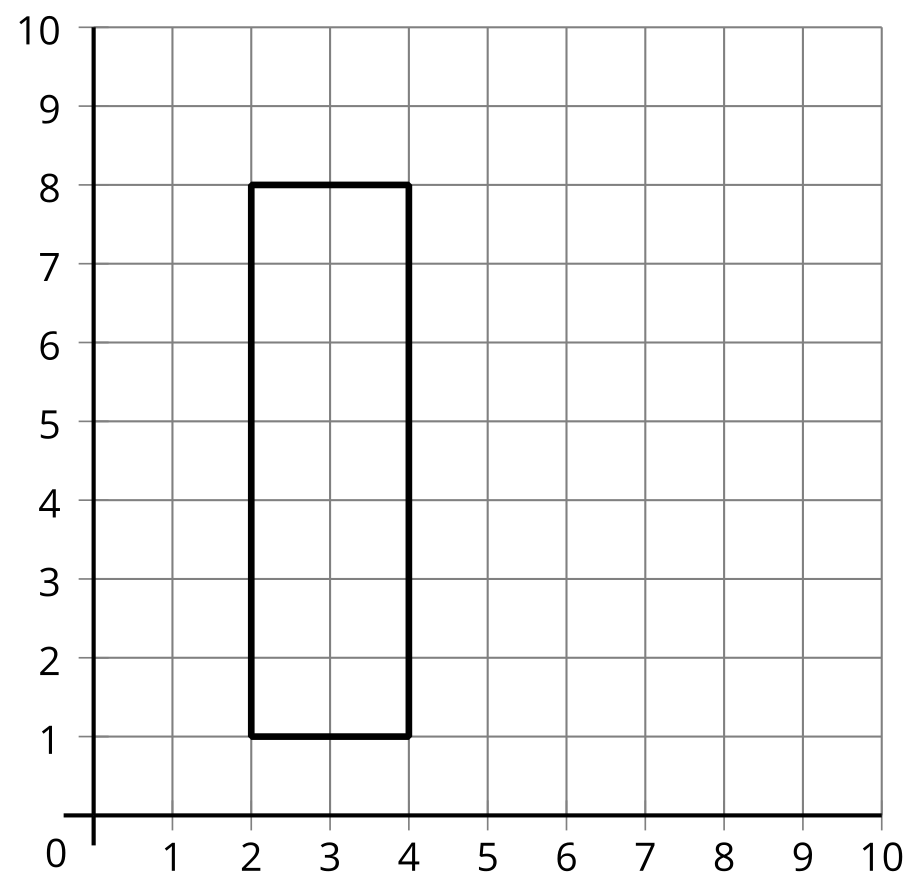
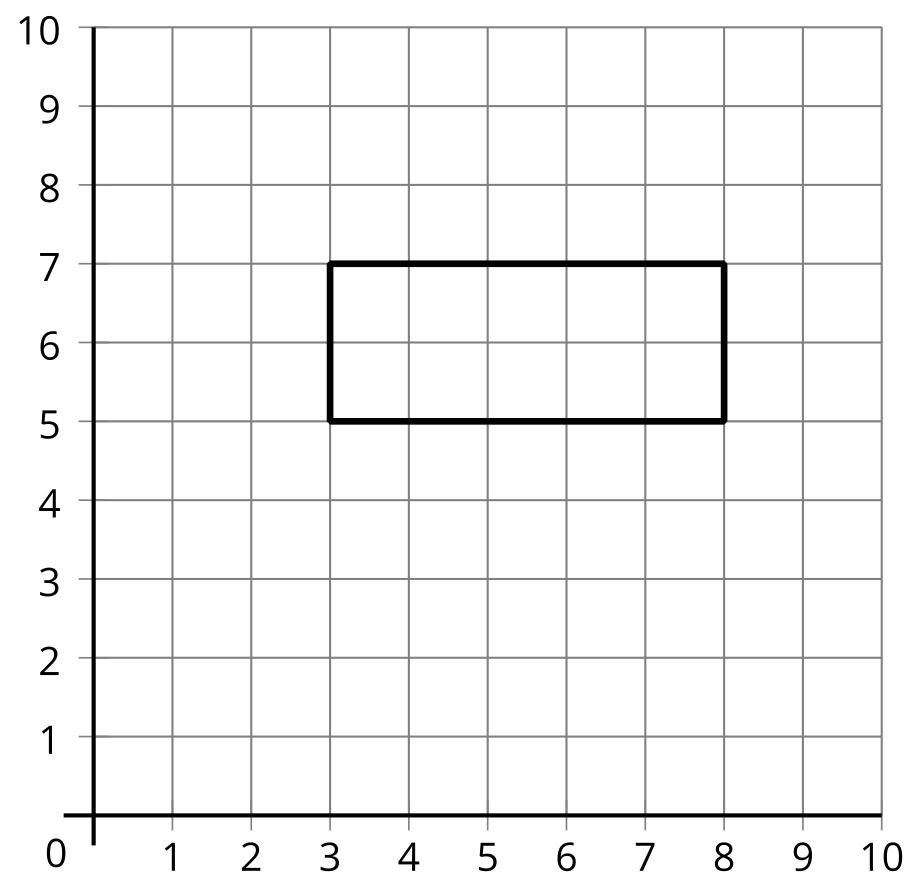
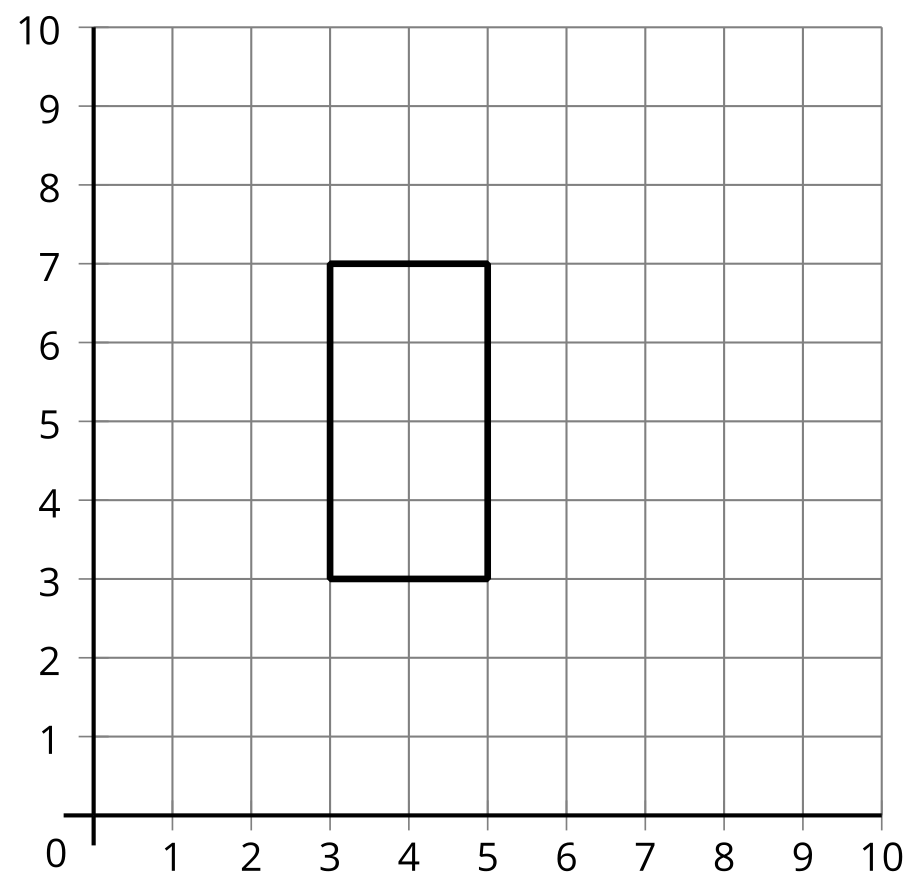
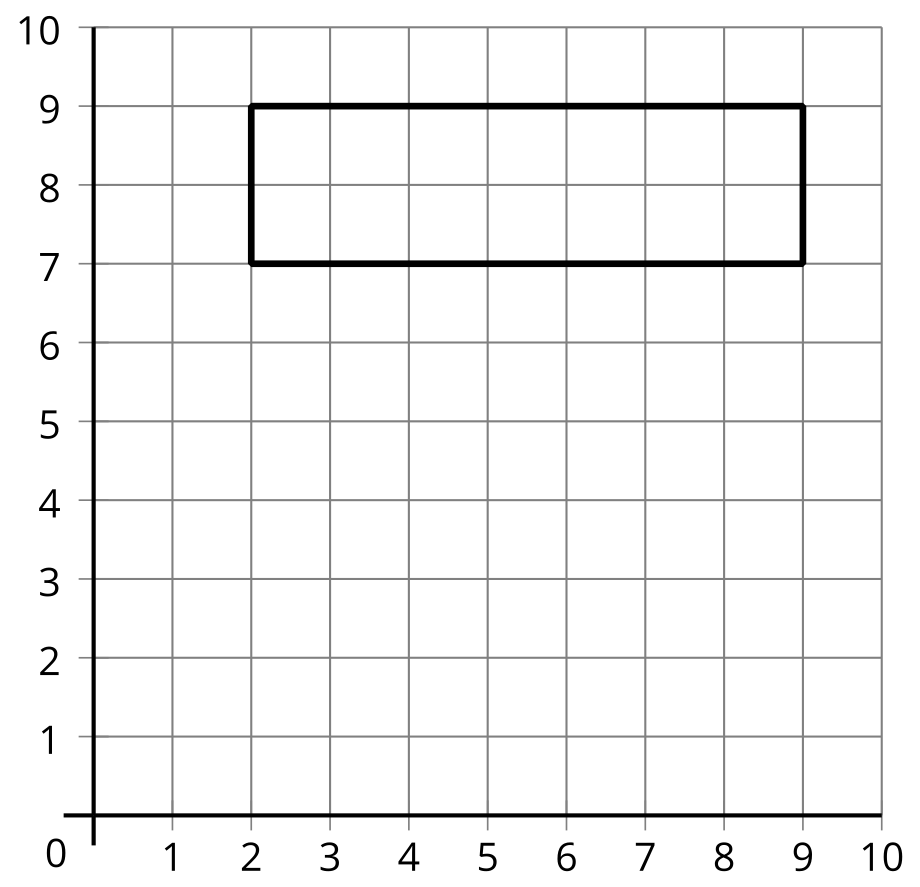
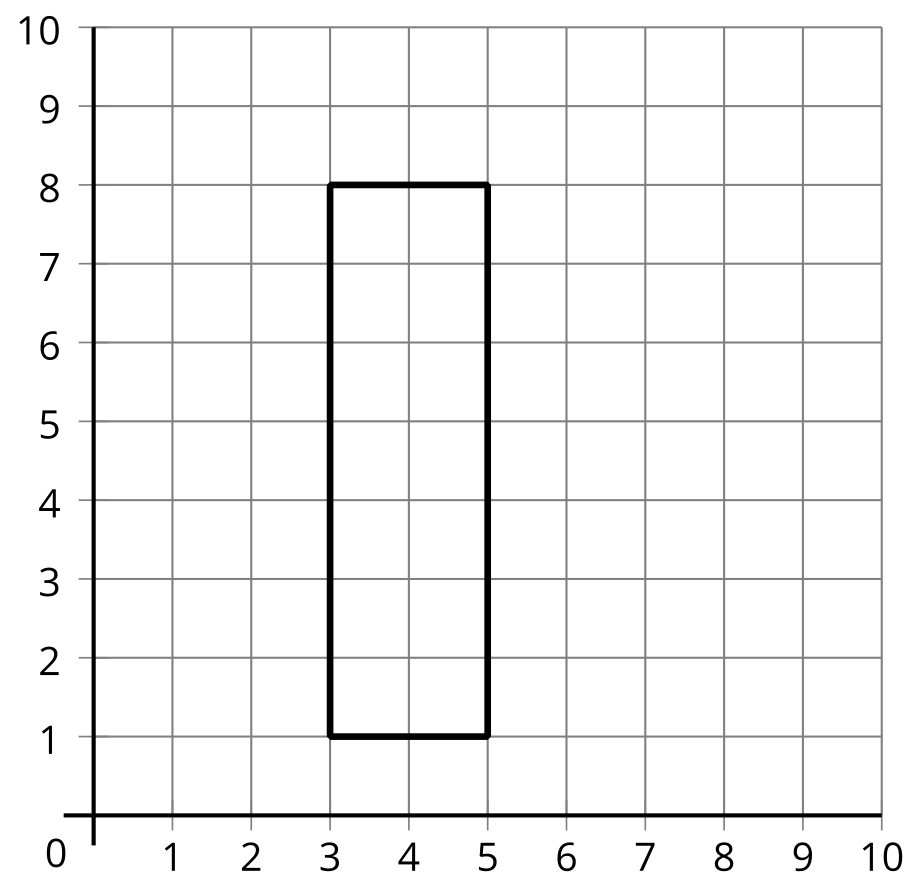
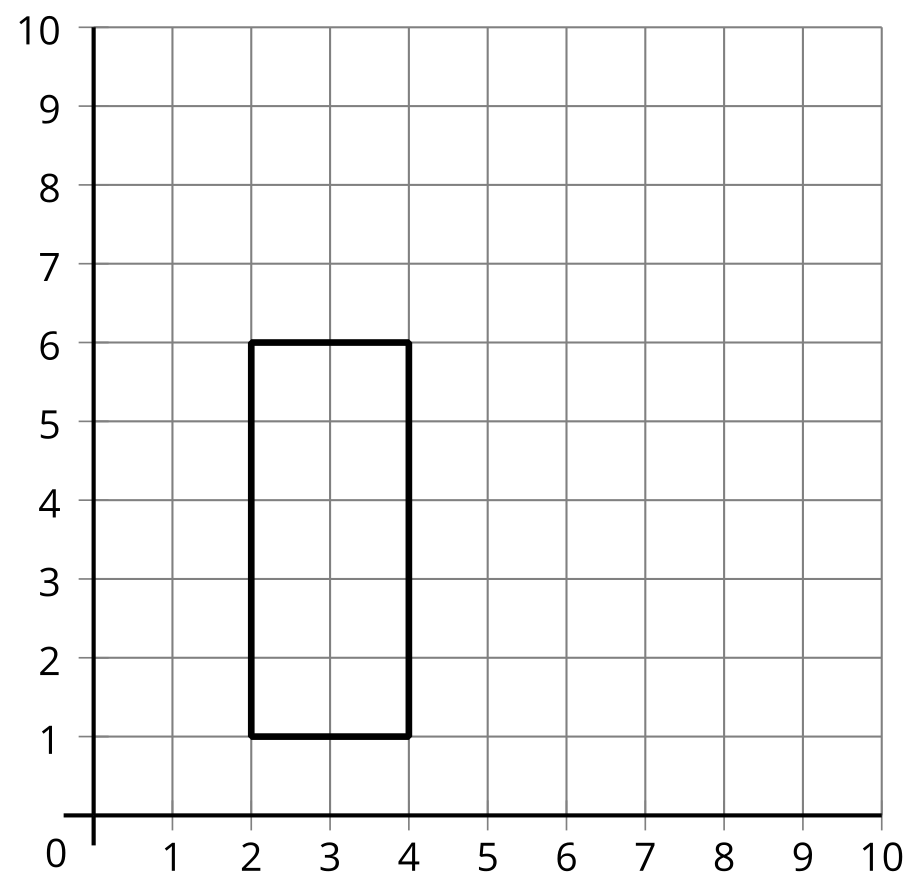
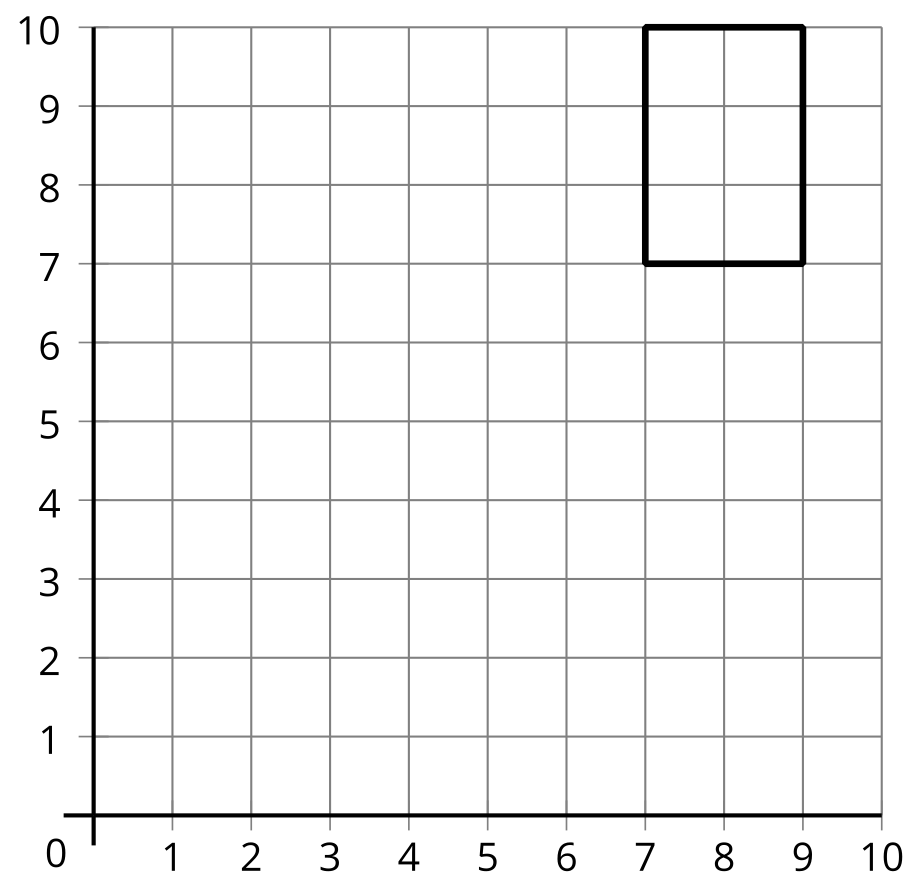
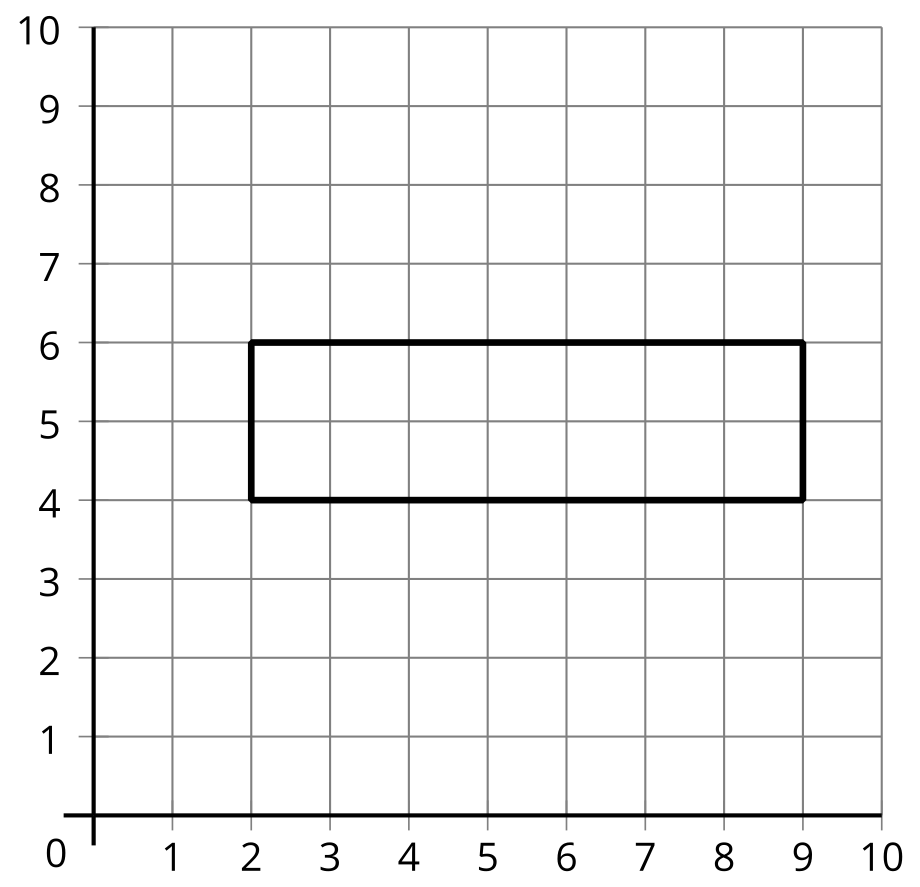
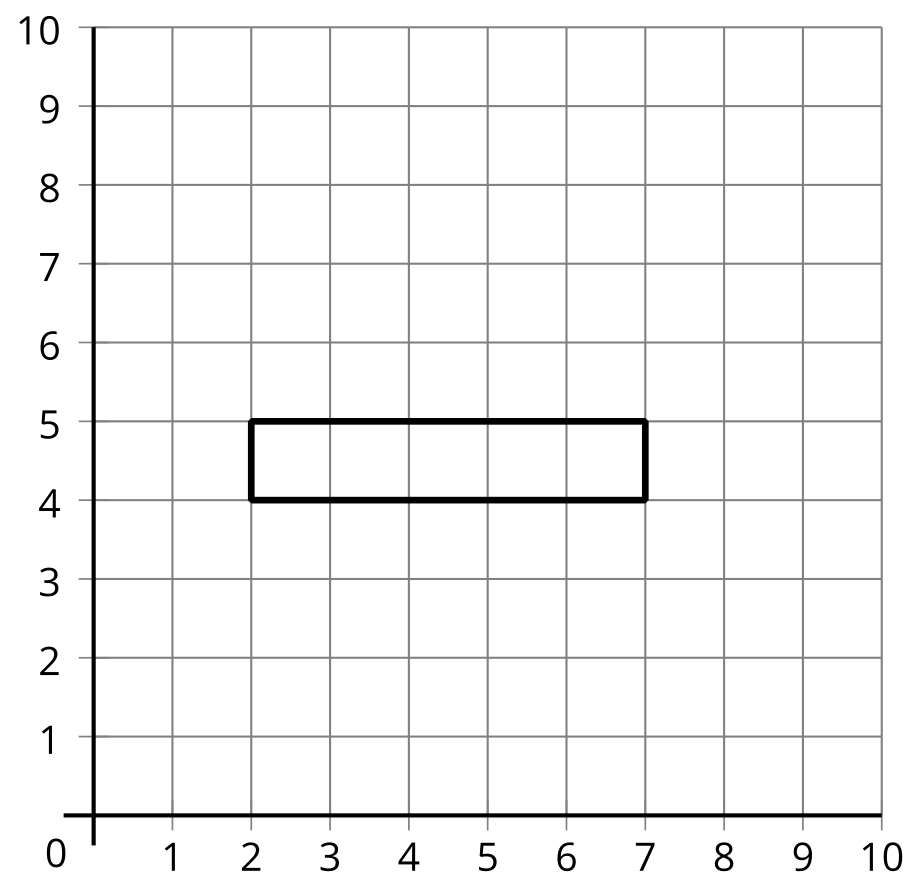
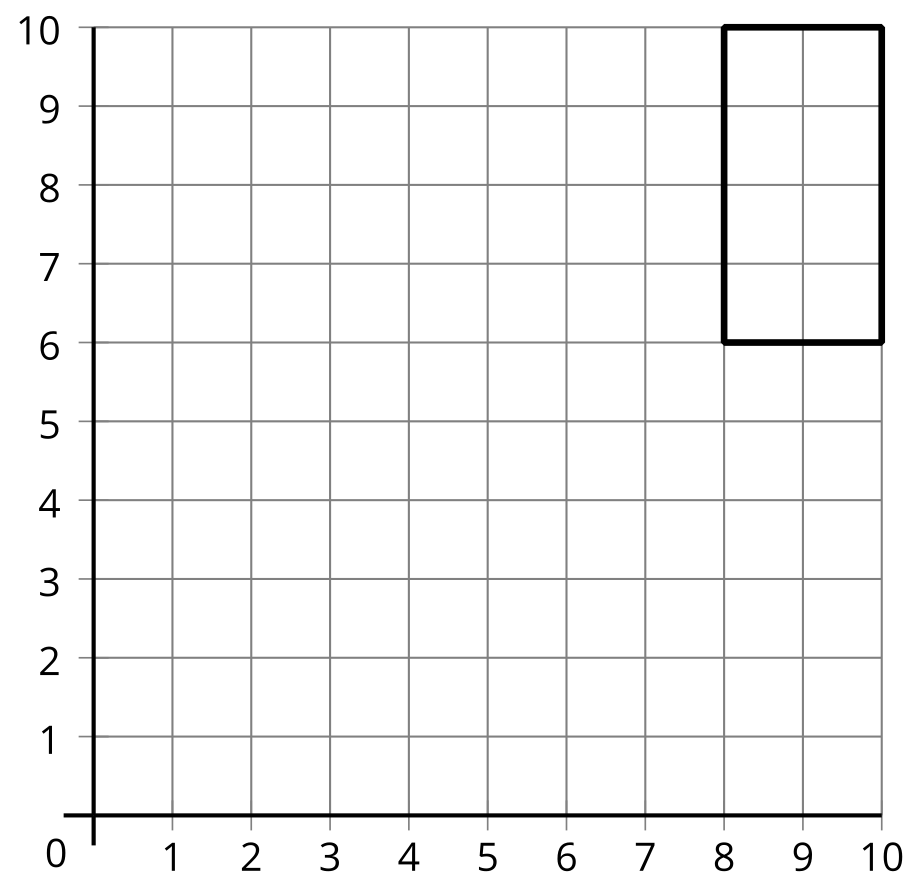
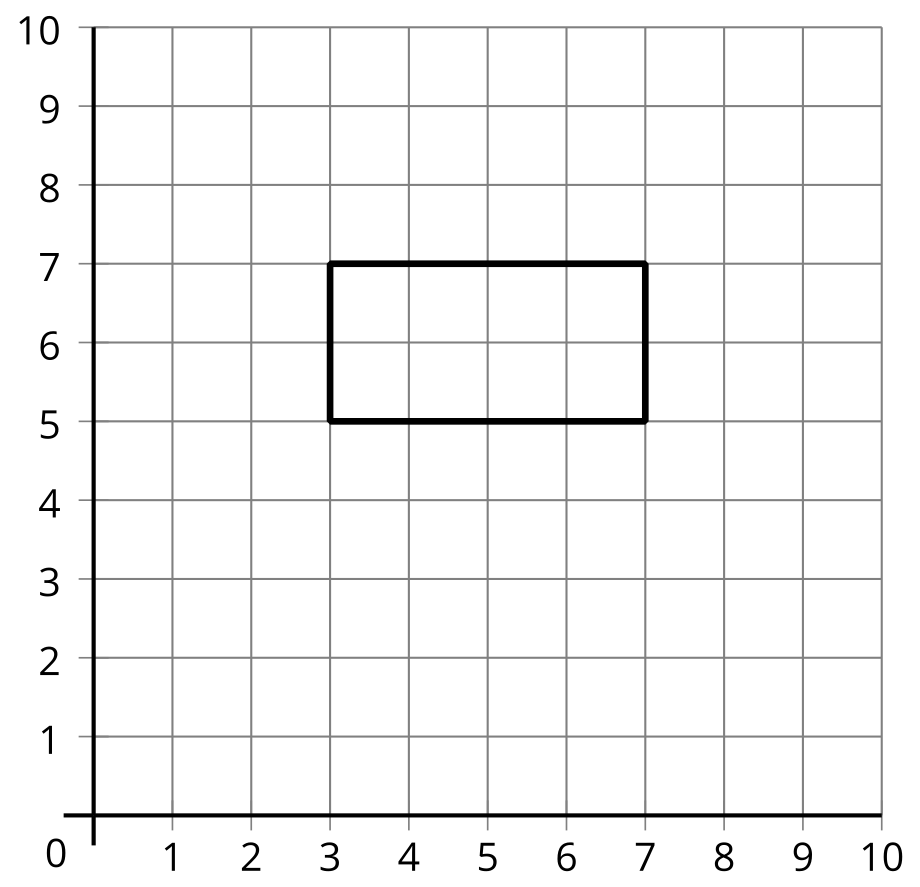
### 1.1: Can You Draw It: Shapes on the Coordinate Grid

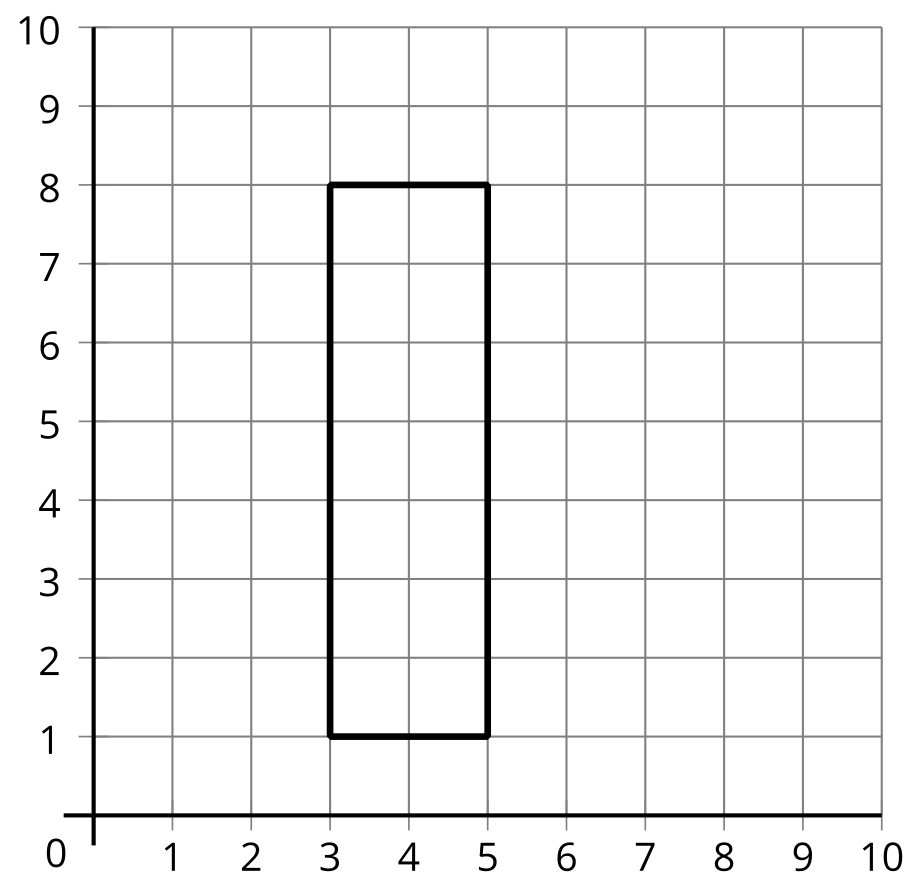
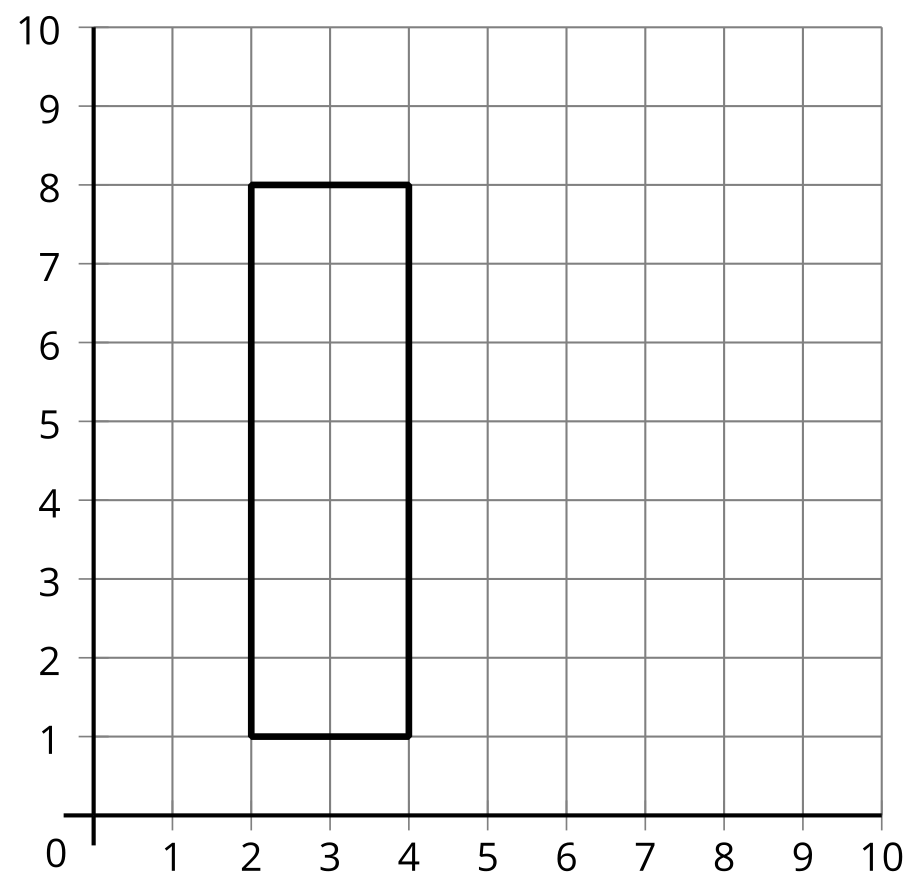
1. Play three rounds of Draw My Shape using the three sets of cards from your teacher.

* For each round:
  + Partner A choose a card—without showing your partner—and describe the shape on the card.
  + Partner B draw the shape as described.
  + Partner A reveal the card and partner B reveal the drawing.
  + Compare the shapes and discuss: What’s the same? What’s different?
* Round 1
* Round 2
* 
* Round 3
* 

1. Look at partner B's drawings for each round. When does partner B's drawing look most like the shape on the card? Explain why you think that is so.

### 1.2: Guess Which One: Shapes on the Coordinate Grid

1. Play a round of Guess Which One.
   * Sit next to your partner.
   * Partner A:  
     Mentally choose a shape card without indicating which shape card you chose.
   * Partner B:  
     Ask yes or no questions to determine which shape card partner A has chosen.
   * A
   * B
   * C
   * D
   * E
   * F
   * G
   * H
   * I
   * J
   * K
   * L
2. Switch roles and play another round of Guess Which One.
3. Diego and Kiran were playing a round of Guess Which One. These are the last two shapes. What question can Kiran ask to determine which shape is the one that Diego picked?

* 
* 



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