## 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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