

Student Activity Book

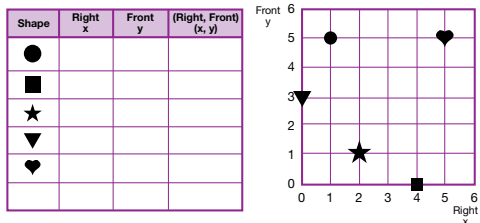
Practice with Coordinates (SAB p. 465)

Questions 1–3

Name _____ Date _____

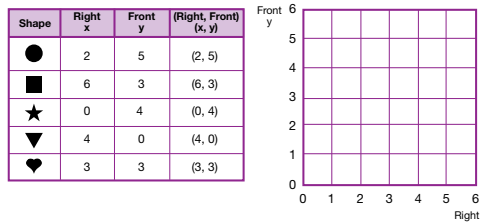
Practice with Coordinates

1. Complete the data table with the coordinates of the shapes.



2. Add a shape to the map and complete the data table with the coordinates.

3. Draw the shapes on the graph using the coordinates in the table.



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Using Coordinates

SAB • Grade 3 • Unit 12 • Lesson 1 465

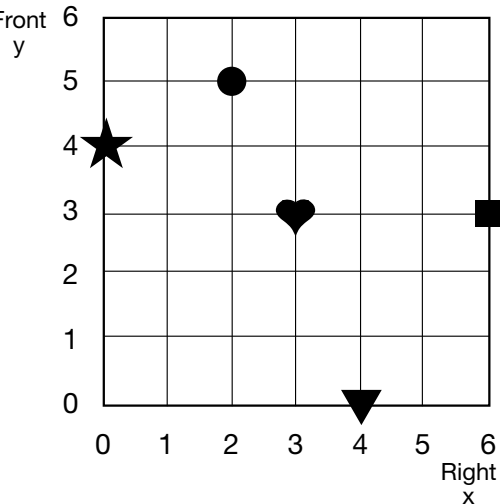
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1.

Shape	Right x	Front y	(Right, Front) (x, y)
●	1	5	(1, 5)
■	4	0	(4, 0)
★	2	1	(2, 1)
▼	0	3	(0, 3)
♥	5	5	(5, 5)

2. Responses will vary.

3.



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Find the Panda (SAB p. 468)

Questions 1–3

1. * Possible response: Julia’s second guess is a good guess because now she knows the coordinate for the x-axis so she only has to move forward to find the coordinate on the y-axis.
2. Possible response: Since Julia is on the right place for the x-axis she only needs to find the location on the y-axis. She is already on 3 and since the panda is at (3,12) she will have to move forward from 8 to get to 12.
3. Answers will vary. Students should realize that the coordinate for the x-axis will remain a 3 and should just change the coordinate for the y-axis. Possible student guesses can include (3,9), (3,10), (3,11), and (3,12).

Name _____ Date _____

Chris is the panda. He chooses 3 right, 12 front (3, 12) as his location. Julia, one of Professor Peabody’s helpers, guesses 7 right, 8 front (7, 8). Julia records the guess on her game board and location table.

Chris records the guess on his game board, too. He sees that Julia must go left and front to reach the panda. So he says, “Go left and front.”

Chris

Location	
	(Right, Front) (x, y)
Panda	(3, 12)
Guess 1	(7, 8)
Guess 2	
Guess 3	
Guess 4	
Guess 5	
Guess 6	

Julia guesses again. This time she guesses 3 right, 8 front (3, 8). Here is Julia’s game board. It shows both of her guesses.

Julia

Location	
	(Right, Front) (x, y)
Guess 1	(7, 8)
Guess 2	(3, 8)
Guess 3	
Guess 4	
Guess 5	
Guess 6	

1. Is Julia’s second guess a good guess? How did you decide?
2. Chris says, “Now go front.” Why does he say this?
3. If you were playing the game and did not know where the panda was, what would be your next guess?

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