

Student Activity Book

**Captain Jack's Island (SAB pp. 473–475)
Questions 1–7**

1. (3, 7)
2. (14, 3)
3. (1, 0)
4. Students write a T at (6, 12).
5. **A.** 8 cm
B. 80 m; One cm on the map is 10 meters on the island, $8 \times 10 = 80$.
6. **A.** 5 cm; I used my ruler to measure the distance.
B. 50 m; $5 \times 10 = 50$ m
7. **A.*** 17 cm
B.* 170 m; $17 \times 10 = 170$ m

Name _____ Date _____

Captain Jack's Island

This is a map of a clearing on Captain Jack's Island.

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Name _____ Date _____

Use Captain Jack's Island map, the map scale, and a ruler to answer the following questions.

1. What are the coordinates of the house on the map? _____
2. What are the coordinates of the dock? _____
3. What are the coordinates of the cave? _____
4. Captain Jack buried treasure at 6 right and 12 front (6, 12). Put a T where the treasure is buried.
5. **A.** How far is it from the house to the lookout on the map?
B. How far is it from the house to the lookout on the island? Show or tell how you know.
6. **A.** How far is it from the dock to the lookout on the map? How do you know?
B. How far is it from the dock to the lookout on the island? Show or tell how you know.
7. **A.** How far is it from the cave to the palm tree on the map?
B. How far is it from the cave to the palm tree on the island? Show or tell how you know.

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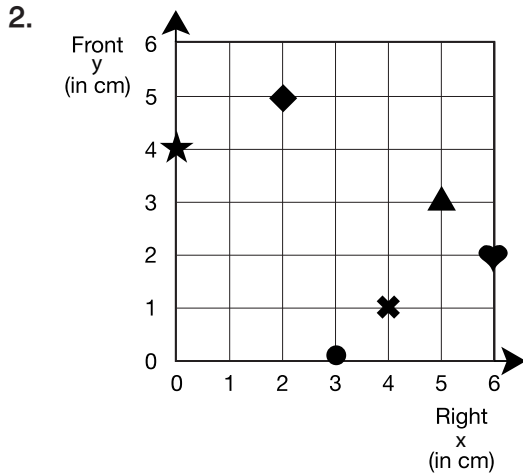
*Answers and/or discussion are included in the lesson.

Using Coordinates (SAB pp. 477–478)

Questions 1–7

1.

Object	Right (in cm) x	Front (in cm) y	(Right, Front) (x, y)
	2	5	(2, 5)
	4	1	(4, 1)
	3	0	(3, 0)



- 24 feet. Possible response: I skip counted by fours: 4, 8, 12, 16, 20, 24.
- 12 feet
- 14 feet. Possible response: I counted $3\frac{1}{2}$ spaces and added $4 + 4 + 4 + 2 = 14$.
- 28 feet
- (20, 16); 20 feet right, 16 feet front




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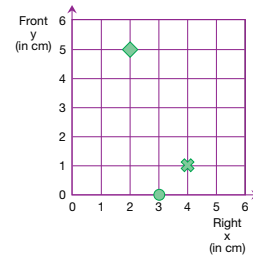
Name _____ Date _____

Using Coordinates



1. Complete the table with the coordinates of the , , and .

Object	Right (in cm) X	Front (in cm) Y	Right, Front (x, y)
			
			
			



- Draw a triangle at (5, 3).
- Draw a star at (0, 4).
- Draw a heart at (6, 2).

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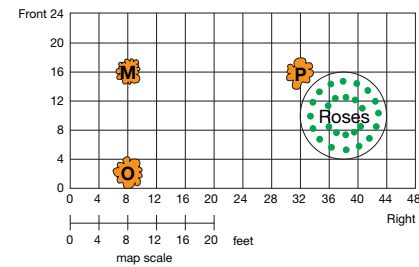
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Name _____ Date _____

Here is a map Professor Peabody made of his yard.

He marked the location of each tree: "M" for the maple tree, "O" for the oak tree, "P" for the poplar tree. He also drew a circle showing where his rose garden is.

Use the map scale and a centimeter ruler to answer these questions.



- How far is it from the maple tree to the poplar tree in Professor Peabody's yard? Show or tell how you know.
- How wide is the real rose garden? _____
- How far is it from the maple tree to the oak tree in the yard? Measure to the center of the object. Show or tell how you know.
- What is the distance between the poplar tree and the oak tree?
- Professor Peabody wants to plant an apple tree halfway between the maple tree and the poplar tree. Locate the apple tree on the map. Label the coordinates.

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Using Maps

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