

Student Activity Book

Plotting Points Pictures (SAB pp. 7–8)

Picture 1 is an octopus or spider.

Picture 2 is a sailboat.

Name _____ Date _____

Plotting Points Pictures

- Follow the directions below to create Picture 1.
 - Number the axes on a sheet of *Centimeter Grid Paper* by ones.
 - Plot the data shown below. Use a ruler to connect the points with lines as you plot each point. When the data table says stop, start at the next new point, but do not connect it to the point before it.

Picture 1

Horizontal Axis	Vertical Axis	Horizontal Axis	Vertical Axis	Horizontal Axis	Vertical Axis
1	1	14	13	0	10
2	3	12	13	0	5
4	5	10	11	2	9
5	7	11	13	3	10
6	8	15	15	5	9
5	6	10	15	4	8
5	4	9	13	3	6
3	3	8	14	1	4
2	1	8	16	1	1
4	2	10	17	S T O P	
6	2	12	16	12	12
7	5	15	17	10	10
8	3	12	18	10	8
7	0	10	19	12	6
10	3	7	18	S T O P	
9	6	6	16	13	11
10	4	6	14	12	11
12	2	7	12	12	10
15	1	6	13	13	10
14	3	4	17	13	11
12	4	2	19	S T O P	
11	5	0	19	13	8
10	7	3	16	12	8
12	5	5	12	12	7
14	5	6	11	13	7
15	7	4	12	13	8
15	11	2	12	S T O P	

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Name _____ Date _____

- Follow the directions below to create Picture 2.
 - Fill in the rest of the ordered pairs on the table.
 - Number the axes on a sheet of *Centimeter Grid Paper* by tens. The horizontal axis must go up to 150 and the vertical axis must go up to 200.
 - Plot the data shown below on grid paper. Use a ruler to connect the points with lines as you plot each point.

Picture 2

Horizontal Axis	Vertical Axis	Ordered Pairs
45	0	(45, 0)
85	0	(85, 0)
125	40	(125, 40)
130	80	(130, 80)
70	80	(70, 80)
70	90	(70, 90)
150	90	(150, 90)
70	180	
105	185	
70	200	
70	80	
60	80	
60	200	
0	90	
60	90	
60	80	
0	80	
5	40	
45	0	

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