Bat Graph Directions for Teachers

Use 1 cm grid paper. For the bat you will need two full graphing pages.

Turn the pages horizontally (landscape style)

Free grid paper is available at http://www.incompetech.com

There are 4 versions for this bat graph.

Page 3 graph – Quadrant 1 (All points are given)
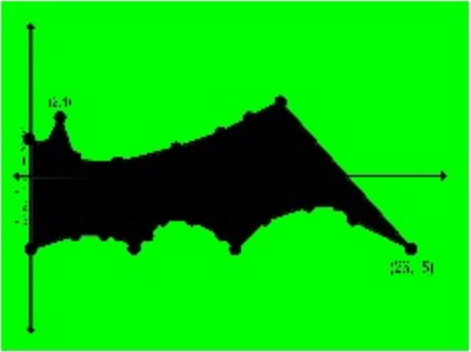
Page 4 – Quadrant 1

(All points are given but students don't know what the image is)

Page 6 – Use a 4 Quadrant Graph (Quadrant I and II on one graphing page, Quadrant III and IV on a second graphing page)

 (Students must determine half the points to reflect the image)

Page 7 – Use a 4 Quadrant Graph (Quadrant I and II on one graphing page, Quadrant III and IV on a second graphing page)

(Students must determine half the points to reflect the image and they don't know what the image is)

Name: _____   Pd: _____   Date: _____

Bat Graph

Page One		Page Two
Connect		Connect
(0, 13.5)		(30, 13.5)
(1, 13)		(29, 13)
(2, 15)		(28, 15)
(3, 12)		(27, 12)
(6, 12)		(24, 12)
(10, 13)		(20, 13)
(13, 14)		(17, 14)
(15, 15)		(15, 15)
(17, 16)		(13, 16)
(26, 6)		(4, 6)
(22, 8)		(8, 8)
(21, 9)		(9, 9)
(19, 9)		(11, 9)
(16, 8)		(14, 8)
(14, 6)		(16, 6)
(13, 7)		(17, 7)
(11, 8)		(19, 8)
(9, 8)		(21, 8)
(8, 7)		(22, 7)
(7, 6)		(23, 6)
(6, 7)		(24, 7)
(3, 7)		(27, 7)
(0, 6)		(30, 6)
Stop		Stop

_____ Graph

Page One		Page Two	
Connect		Connect	
(0, 13.5)		(30, 13.5)	
(1, 13)		(29, 13)	
(2, 15)		(28, 15)	
(3, 12)		(27, 12)	
(6, 12)		(24, 12)	
(10, 13)		(20, 13)	
(13, 14)		(17, 14)	
(15, 15)		(15, 15)	
(17, 16)		(13, 16)	
(26, 6)		(4, 6)	
(22, 8)		(8, 8)	
(21, 9)		(9, 9)	
(19, 9)		(11, 9)	
(16, 8)		(14, 8)	
(14, 6)		(16, 6)	
(13, 7)		(17, 7)	
(11, 8)		(19, 8)	
(9, 8)		(21, 8)	
(8, 7)		(22, 7)	
(7, 6)		(23, 6)	
(6, 7)		(24, 7)	
(3, 7)		(27, 7)	
(0, 6)		(30, 6)	
Stop		Stop	

Directions for 4 Quadrant Bat Graph

The bat requires two sheets of grid paper. Turn the pages horizontally (landscape style)

Page one: Quadrants I and II for the right side of the bat.

Page two: Quadrants III and IV for the left side of the bat.

Tape the pages together.

There are 2 worksheets and 2 rubrics per page.

Rubrics can be printed on the back of the worksheet.

Use 1 cm grid paper.

Free grid paper is available at http://www.incompetech.com

Bat Graph

Bat Graph

Connect	Reflect	Connect	I I	Connect	Reflect	Connect
(0,2.5)	→		I I	(0,2.5)	→	
(1, 2)	→		I I	(1, 2)	→	
(2, 4)	→		I I	(2, 4)	→	
(3, 1)	→		I I	(3, 1)	→	
(6, 1)	→		I I	(6, 1)	→	
(10, 2)	→		I I	(10, 2)	→	
(13, 3)	→		I I	(13, 3)	→	
(15, 4)	→		I I	(15, 4)	→	
(17, 5)	→		I I	(17, 5)	→	
(26, -5)	→		I I	(26, -5)	→	
(22, -3)	→		I I	(22, -3)	→	
(21, -2)	→		I I	(21, -2)	→	
(19, -2)	→		I I	(19, -2)	→	
(16, -3)	→		I I	(16, -3)	→	
(14, -5)	→		I I	(14, -5)	→	
(13, -4)	→		I I	(13, -4)	→	
(11, -3)	→		I I	(11, -3)	→	
(9, -3)	→		I I	(9, -3)	→	
(8, -4)	→		I I	(8, -4)	→	
(7, -5)	→		I I	(7, -5)	→	
(6, -4)	→		I I	(6, -4)	→	
(3, -4)	→		I I	(3, -4)	→	
(0, -5)	→		I I	(0, -5)	→	
Stop			I I	Stop		

(c)kt

Name: _____

Date: _____ Pd: _____

_____ Graph

Connect	Reflect	Connect		
(0,2.5)	→			
(1, 2)	→			
(2, 4)	→			
(3, 1)	→			
(6, 1)	→			
(10, 2)	→			
(13, 3)	→			
(15, 4)	→			
(17, 5)	→			
(26, -5)	→			
(22, -3)	→			
(21, -2)	→			
(19, -2)	→			
(16, -3)	→			
(14, -5)	→			
(13, -4)	→			
(11, -3)	→			
(9, -3)	→			
(8, -4)	→			
(7, -5)	→			
(6, -4)	→			
(3, -4)	→			
(0, -5)	→			
Stop				

Graph Directions and Rubric

_____ (10 Points)

Number the horizontal axis from -26 to 26.

_____ (10 Points)

Number the vertical axis from -5 to 5.

_____ (20 Points)

Plot and connect the given points.

_____ (40 Points)

Write the reflection of each point.

_____ (20 Points)

Plot and connect the points to make the reflection.

_____ Total

(c)kt

Bat Graph Answer Key

Connect	Reflect	Connect
(0,2.5)	→	(0,2.5)
(1, 2)	→	(-1, 2)
(2, 4)	→	(-2, 4)
(3, 1)	→	(-3, 1)
(6, 1)	→	(-6, 1)
(10, 2)	→	(-10, 2)
(13, 3)	→	(-13, 3)
(15, 4)	→	(-15, 4)
(17, 5)	→	(-17, 5)
(26, -5)	→	(-26, -5)
(22, -3)	→	(-22, -3)
(21, -2)		(-21, -2)
(19, -2)		(-19, -2)
(16, -3)	→	(-16, -3)
(14, -5)	→	(-14, -5)
(13, -4)	→	(-13, -4)
(11, -3)	→	(-11, -3)
(9, -3)		(-9, -3)
(8, -4)		(-8, -4)
(7, -5)	→	(-7, -5)
(6, -4)	→	(-6, -4)
(3, -4)	→	(-3, -4)
(0, -5)	→	(-0, -5)