



Introduction to Graphing

Suggested time: 75 min

What's important in this lesson:

You will review the basics about graphing. Vocabulary for this unit will be introduced here.

Complete these steps:

1. Complete Frayer Model cards for each word in the word list. Your teacher can copy more for you. You may use any resource available to complete your cards ie; computer, dictionary, math texts, a math teacher, etc.
2. Cut out the graphing labels. Place labels on the grid. Be prepared to show the teacher.

Hand-in the following to your teacher:

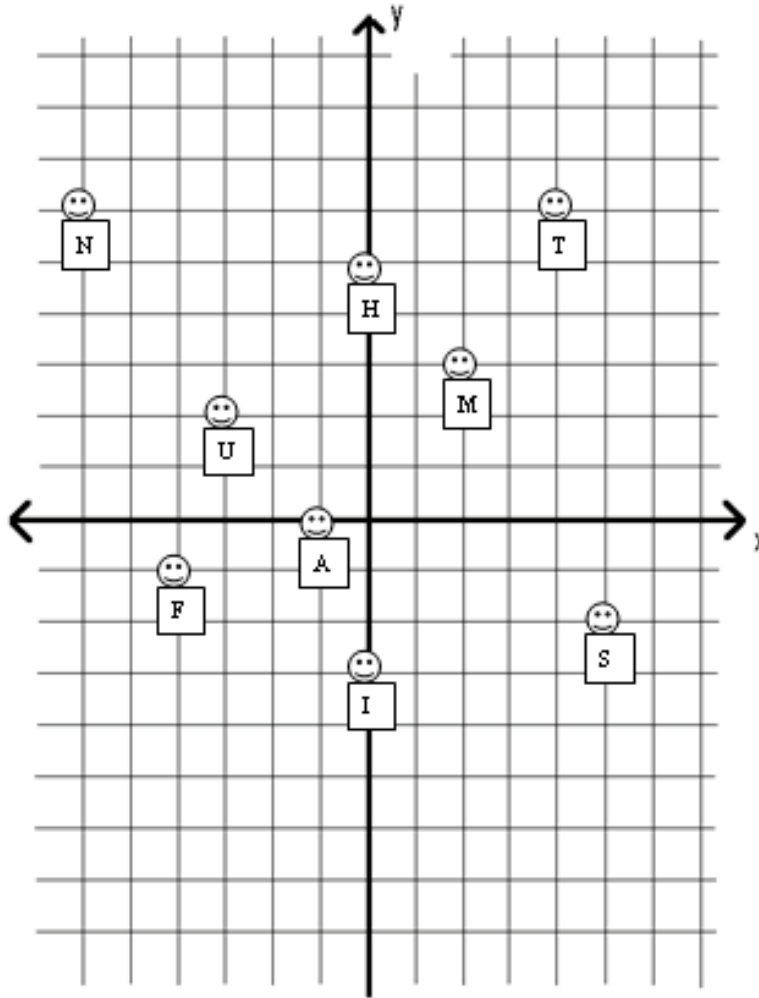
1. Performance task: labeling a set of axes with all of the given words/descriptions.
2. All cards completed and shown to teacher.

Questions for the teacher:

Diagnostic Introductory Activity:
Unit 3 Lesson 1



Match the coordinate points with the letters. The point is denoted by the ☺



(2,3)	(-1,0)	(4,6)	(0,5)

(0,-3)	(5,-2)

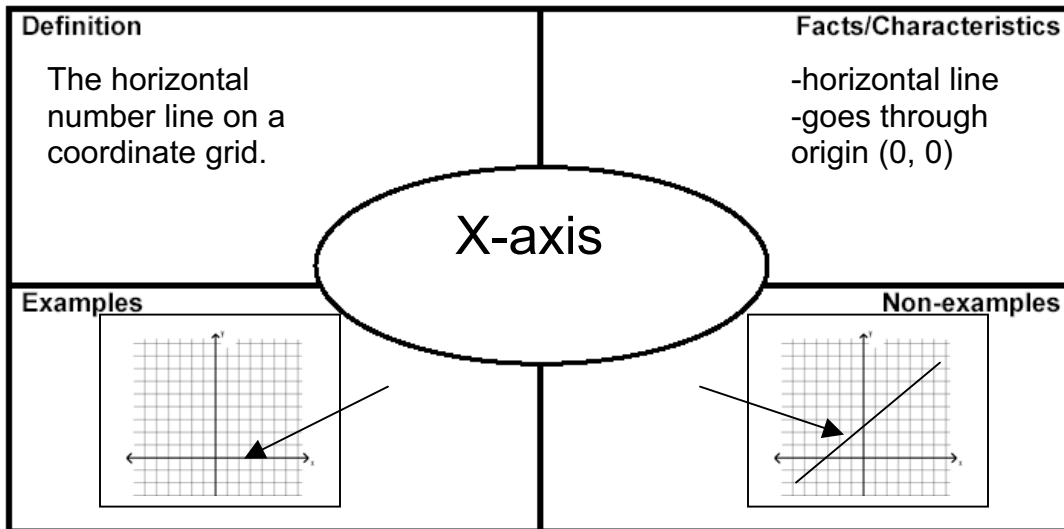
(-4,-1)	(-3,2)	(-6,6)



Word List

Scatter plot Linear Non-linear Variable Dependent variable Independent variable Constant rate of change	rate Equation of a line Ordered pair Table of values scale x-axis horizontal	y-axis vertical origin relationship interpolation extrapolation Slope Initial cost
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This vocabulary strategy is known as the Frayer Model. Complete cards for each of the words listed. You may use illustrations to convey your ideas. Here is a sample card to demonstrate.





Frayer Model Template

Definition		Facts/Characteristics	
Examples		Non-examples	

Definition		Facts/Characteristics	
Examples		Non-examples	

Student Handout: Unit 3 Lesson 1

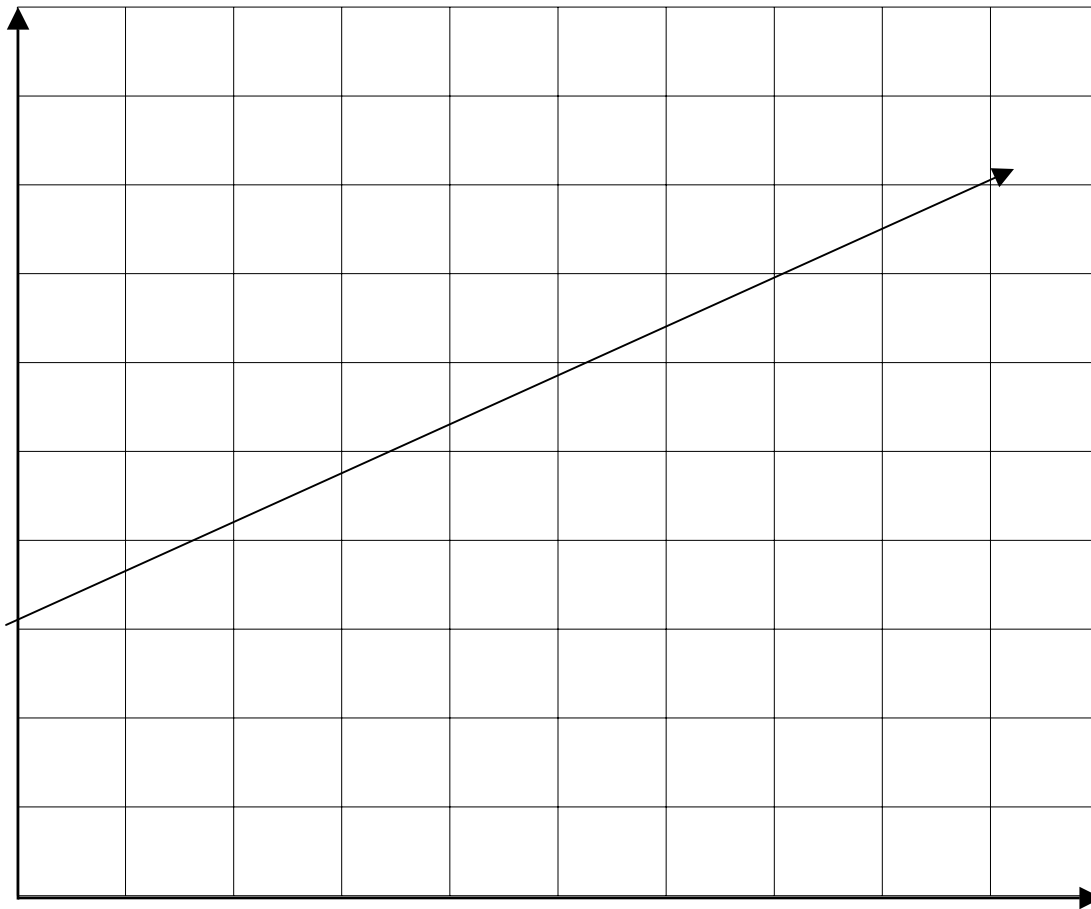


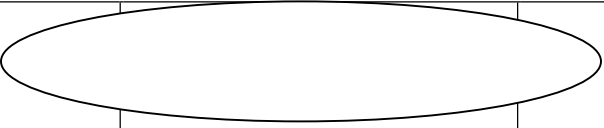
Definition	Facts/Characteristics
Examples	Non-examples

The form is a large rectangle divided into four quadrants by a vertical and a horizontal line. In the center of the rectangle is a large, empty oval. The four quadrants are labeled: top-left is 'Definition', top-right is 'Facts/Characteristics', bottom-left is 'Examples', and bottom-right is 'Non-examples'.



Label This Graph...



x	y	(x,y)
		



Cut out these labels and use them on the “Label this Graph...” handout.

Y-axis	X-axis
Initial Cost	Vertical
Intercept	Horizontal
Scale	Slope
Dependent variable	Independent variable