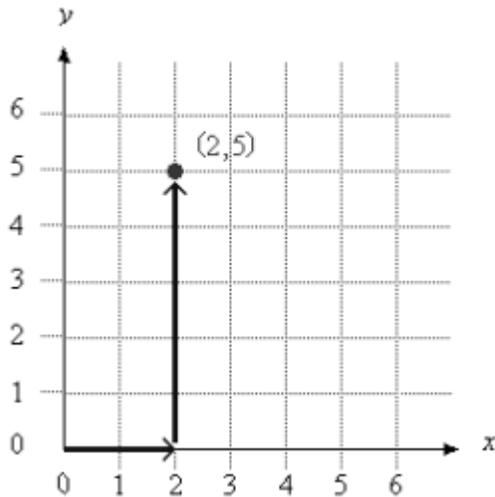


Models and Representations

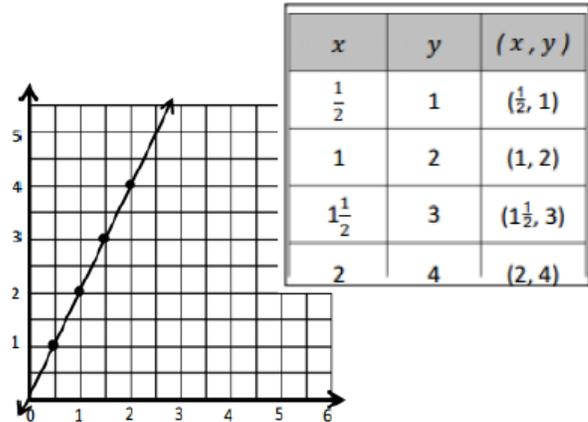
Plotting a Coordinate Pair



How would you plot the point (2,5) on the coordinate grid?

Start at the origin and move 2 units over on the x-axis. Then move 5 units up on the y-axis.

Plotting Coordinates and Finding Patterns

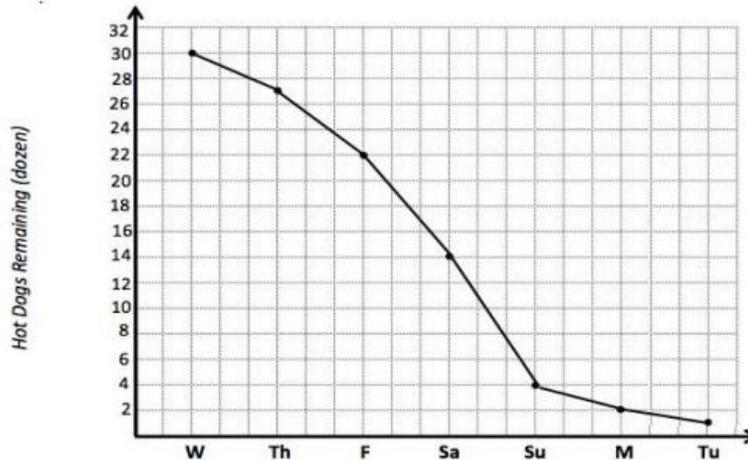


Write a rule showing the relationship between the x- and y- coordinates of points on the line.

Each y- coordinate is 2 times greater than its corresponding x-coordinate.

Example Application Problem

Harry runs a hot dog stand at the county fair. When he arrived on Wednesday, he had 38 dozen hot dogs on his stand. The graph shows the number of hot dogs (in dozens) that remained unsold at the end of each day of sales.



1. How many dozen hot dogs did Harry sell on Wednesday? How do you know?
2. Between which two-day period did the number of hot dogs sold change the most? Explain how you determined your answer.