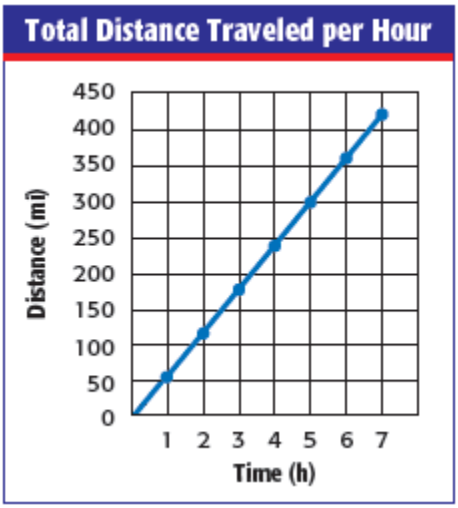
NAME _____ DATE _____ PERIOD _____

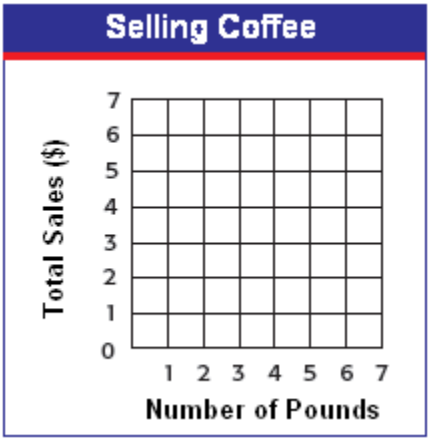
Lesson 3 Extra Practice

Equations in y = mx Form

1. The number of miles traveled varies directly with the number of hours traveled. The relationship is shown in the graph below. What is the rate of speed in miles per hour?



2. The Coffee Shop is having a special where 2 pounds of coffee costs $4. Assume that the total cost in dollars y varies directly with the number of pounds of coffee x. This can be represented by $y = 2x$. Graph the equation on the coordinate plane. How much will 2.5 pounds of coffee cost?



3. Lee works at a job where her pay varies directly with the number of hours she works. Her pay for 6.5 hours is $49.40. Write a direct variation equation relating Lee's pay x to the hours worked y. Then find her pay if she works 25 hours in a week.