

✓ The Maryland sales tax on an item is proportional to the price of the item because the sales tax is 5% of the price.

✓ The amount Tom earns for a week's work is proportional to the number of hours he works because he is paid \$11 for each hour he works.

✓ If an object is dropped from a tall building, the distance it has fallen (in feet) since being released is proportional to the square of the number of seconds since the moment of release because the distance fallen is 16 times the square of the time elapsed (in seconds).

1) What would be the Maryland sales tax on an item whose price is \$250?

2) If the Maryland sales tax on an item is \$3.50, what was the price of the item?

Complete the table and graph to illustrate the proportional relationship between Tom's hours worked and his week's earnings.

Tom's Hours Worked	Tom's Week's Earnings (\$)
0	
2	
4	
6	
8	
10	

