

(Uniform Motion Problem – *Rate × Time = Distance*)

John can drive 240 miles in the same time as it takes George to drive 220 miles. If John drives 5 mph faster than George, then how fast does John drive? [Answer: 60 mph]

(Work Problems – *Rate × Time = Amount of Work*)

A large pump can drain an 80,000-gallon pool in 3 hours. With a smaller pump also operating, the job takes only 2 hours. How long would it take the smaller pump to drain the pool by itself?

[Answer: 6 hours]