## ANSWER TO QUESTION #84160 - MATH - STATISTICS AND PROBABILITY

Let event M = stock market goes up on Monday

T = stock market goes up on Tuesday

Given probability P(M) = 0.6

P(T/M) = 0.3

We need  $P(T \cap M)$ ?

We know that  $P(T / M) = \frac{P(T \cap M)}{P(M)}$ 

 $\Rightarrow P(T \cap M) = P(M)P(T/M) = 0.6 \times 0.3 = 0.18.$ 

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