Assignment Probability

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13.2.1 [1] If $\Pr\{A\}=\frac{3}{5}$ and $\Pr\{B\}=\frac{1}{5}$ find $\Pr$(A∩B) if A and B are independent events?
solution:

$$P(A) = \frac{3}{5}, \tag{13.2.1.1}$$

$$P(B) = \frac{1}{5} \tag{13.2.1.2}$$

$$P(AB) = P(A) * P(B) \tag{13.2.1.3}$$

$$P(AB) = \frac{3}{5} * \frac{1}{5} \tag{13.2.1.4}$$

$$P(AB) = \frac{3}{25} \tag{13.2.1.5}$$

[1] Read question numbers as (CHAPTER NUMBER).(EXERCISE NUMBER).(QUESTION NUMBER)