

Let $S = \{1, 2, 3, \dots, 100\}$ be a sample space with equally likely outcomes. If we conduct an experiment with this sample space, what is the probability the outcome is a multiple of both 6 and 10?

- (a) $3/100$
- (b) $1/100$
- (c) $1/50$
- (d) $1/25$
- (e) $1/20$
- (f) $3/50$
- (g) $1/2$
- (h) $1/10$
- (i) $1/6$
- (j) $1/3$
- (k) $1/60$
- (l) $1/16$
- (m) 0
- (n) 1
- (o) None of these