

Suppose the possible outcomes of an experiment are $\frac{1}{15}, \frac{2}{15}, \frac{1}{5}, \frac{4}{15}, \frac{1}{3}$, whose probabilities are $\frac{1}{16}, \frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{1}{2}$, respectively. How many different events have a probability less than $1/2$?

- (a) 15
- (b) 0
- (c) 1
- (d) 2
- (e) 3
- (f) 4
- (g) 8
- (h) 16
- (i) 32
- (j) 7
- (k) 31
- (l) None of these