

SENARAIKAN RUANG SAMPEL, S DAN CARI KEBARANGKALIAN BAGI SEMUA UNSUR PERISTIWA BERIKUT.

- a) Sebiji dadu adil dilambung $S = \{1, 2, 3, 4, 5, 6\}$ $n(S) = 6$

Kebarangkalian mendapat

- i) Nombor ganjil

$$A = \{1, 3, 5\} \quad P(A) = \frac{n(A)}{n(S)} \quad P(A) = \frac{3}{6} = \frac{1}{2}$$

- ii) Nombor lebih daripada 4

$$B = \{5, 6\} \quad P(B) = \frac{n(B)}{n(S)} \quad P(B) = \frac{2}{6} = \frac{1}{3}$$

- iii) Nombor genap

$$C = \{2, 4, 6\} \quad P(C) = \frac{n(C)}{n(S)} \quad P(C) = \frac{3}{6} = \frac{1}{2}$$

- iv) Nombor kurang daripada 4

$$D = \{1, 2, 3\} \quad P(D) = \frac{n(D)}{n(S)} \quad P(D) = \frac{3}{6} = \frac{1}{2}$$

- b) Satu huruf dipilih secara rawak dari perkataan 'SEKOLAHKU'

$$S = \{S, E, K, O, L, A, H, K, U\} \quad n(S) = 8$$

Nyatakan kebarangkalian mendapat

- i) Huruf K

$$A = \{K, K\} \quad P(A) = \frac{n(A)}{n(S)} \quad P(A) = \frac{2}{8} = \frac{1}{4}$$

- ii) Huruf vocal

$$B = \{E, O, A, U\} \quad P(B) = \frac{n(B)}{n(S)} \quad P(B) = \frac{4}{8} = \frac{1}{2}$$

- iii) Huruf konsonan

$$C = \{S, K, L, H\} \quad P(C) = \frac{n(C)}{n(S)} \quad P(C) = \frac{4}{8} = \frac{1}{2}$$