

Assignment 1

NCERT Exemplar

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I. QUESTION 10.13.1.24

One ticket is drawn at random from a bag containing tickets numbered 1 to 40. The probability that the selected ticket has a number which is a multiple of 5 is (a) $\frac{1}{5}$ (b) $\frac{3}{5}$ (c) $\frac{4}{5}$ (d) $\frac{1}{3}$

Solution:

$$P_r(k \text{ is divisible by } 5) = \frac{8}{40} \quad (1)$$

$$= \frac{1}{5} \quad (2)$$