

NCERT Exemplar Solutions by Dev Anoop (Bathinda)
Probability, Ex 13.3

$$\textcircled{30} \quad P(\text{value } 7) = \frac{4}{40} = \frac{1}{10}$$

$$P(\text{greater than } 7) = \frac{12}{40} = \frac{3}{10}$$

$$P(\text{less than } 7) = \frac{24}{40} = \frac{6}{10}$$

$$\textcircled{31} \quad \text{outcomes} = (99 - 1) + 1 \\ = 99$$

numbers divisible by 7 are

7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98

$$P(\text{divisible by } 7) = \frac{14}{99}$$

$$P(\text{not divisible by } 7) = 1 - \frac{14}{99} \\ = \frac{99 - 14}{99}$$

$$= \frac{85}{99}$$