Exercise 15A

Question 6:
Number of tests in which he gets more than 60% marks =2
Total numbers of tests =6
∴ Required probability

$$= \frac{\text{numbers of tests in which he gets more than 60\% marks}}{\text{total number of trials}}$$

$$= \frac{2}{6} = \frac{1}{3}$$

Question 7:

Total numbers of vehicles = 240

Numbers of two wheelers = 84

∴ Required probability

$$= \frac{\text{numbers of two wheelers}}{\text{total number of vehicles}}$$

$$= \frac{84}{240}$$

$$= 0.35$$

Question 8:

Total phone numbers = 200

Numbers of phone numbers with unit digit 5 = 24

∴ Required probability

$$= \frac{\text{numbers of phone numbers with units digits 5}}{\text{total number of numbers}}$$

$$= \frac{24}{200}$$

$$= 0.12$$

Numbers of phone numbers with units digit 8 = 16

∴ Required probability

$$= \frac{\text{numbers of phone numbers with units digits 8}}{\text{total number of phone numbers}}$$

$$= \frac{16}{200}$$

$$= 0.08$$

********** END *********