

Exercise 15A

Question 6:

Number of tests in which he gets more than 60% marks =2

Total numbers of tests =6

:. Required probability

_ numbers of tests in which he gets more than 60% marks

total number of trials

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

Question 7:

Total numbers of vehicles = 240

Numbers of two wheelers = 84

: Required probability

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

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

=0.35

Question 8:

Total phone numbers = 200

Numbers of phone numbers with unit digit 5 = 24

.. Required probability

= numbers of phone numbers with units digits 5 totalnumberof numbers

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

=0.12

Numbers of phone numbers with units digit 8 = 16

∴ Required probability

= numbers of phone numbers with units digits 8 totalnumberof phonenumbers

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

=0.08