Exercise 2.6

Question 1:

Find:

(i) 0.2 x 6 (ii) 8 x 4.6 (iii) 2.71 x 5
(iv) 20.1 x 4 (v) 0.05 x 7 (vi) 211.02 x 4
(vii) 2 x 0.86

Answer 1:

(i) 0.2 x 6 = 1.2 (ii) 8 x 4.6 = 36.8
(iii) 2.71 x 5 = 13.55 (iv) 20.1 x 4 = 80.4
(v) 0.05 x 7 = 0.35 (vi) 211.02 x 4 = 844.08
(vii) 2 x 0.86 = 1.72

Question 2:

Find the area of rectangle whose length is 5.7 cm and breadth is 3 cm.

Answer 2:

Given: Length of rectangle = 5.7 cm and
Breadth of rectangle = 3 cm
Area of rectangle = Length x Breadth = 5.7 x 3 = 17.1 cm^2

Thus, the area of rectangle is 17.1 cm^2.

Question 3:

Find:

(i) 1.3 x 10 (ii) 36.8 x 10 (iii) 153.7 x 10
(iv) 168.07 x 10 (v) 31.1 x 100 (vi) 156.1 x 100
(vii) 3.62 x 100 (viii) 43.07 x 100 (ix) 0.5 x 10
(x) 0.08 x 10 (xi) 0.9 x 100 (xii) 0.03 x 1000

Answer 3:

(i) 1.3 x 10 = 13.0 (ii) 36.8 x 10 = 368.0
(iii) 153.7 x 10 = 1537.0 (iv) 168.07 x 10 = 1680.7
(v) 31.1 x 100 = 3110.0 (vi) 156.1 x 100 = 15610.0
(vii) 3.62 x 100 = 362.0 (viii) 43.07 x 100 = 4307.0
(ix) 0.5 x 10 = 5.0 (x) 0.08 x 10 = 0.80
(xi) 0.9 x 100 = 90.0 (xii) 0.03 x 1000 = 30.0

Question 4:

A two-wheeler covers a distance of 55.3 km in one litre of petrol. How much distance will it cover in 10 litres of petrol?

Answer 4:

$\because$ In one litre, a two-wheeler covers a distance = 55.3 km

$\therefore$ In 10 litres, a two- wheeler covers a distance = 55.3 x 10 = 553.0 km

Thus, 553 km distance will be covered by it in 10 litres of petrol.

Question 5:

Find:

(i)	2.5 x 0.3	(ii)	0.1 x 51.7	(iii)	0.2 x 316.8
(iv)	1.3 x 3.1	(v)	0.5 x 0.05	(vi)	11.2 x 0.15
(vii)	1.07 x 0.02	(viii)	10.05 x 1.05	(ix)	101.01 x 0.01
(x)	100.01 x 1.1				

Answer 5:

(i)	2.5 x 0.3 = 0.75	(ii)	0.1 x 51.7 = 5.17
(iii)	0.2 x 316.8 = 63.36	(iv)	1.3 x 3.1 = 4.03
(v)	0.5 x 0.05 = 0.025	(vi)	11.2 x 0.15 = 1.680
(vii)	1.07 x 0.02 = 0.0214	(viii)	10.05 x 1.05 = 10.5525
(ix)	101.01 x 0.01 = 1.0101	(x)	100.01 x 1.1 = 110.11