

CBSE Class –VII Mathematics
NCERT Solutions
Chapter 2 Fractions and Decimals (Ex. 2.6)

Question 1. Find:

(i) 0.2×6

(ii) 8×4.6

(iii) 2.71×5

(iv) 20.1×4

(v) 0.05×7

(vi) 211.02×4

(vii) 2×0.86

Answer: (i) $0.2 \times 6 = 1.2$

(ii) $8 \times 4.6 = 36.8$

(iii) $2.71 \times 5 = 13.55$

(iv) $20.1 \times 4 = 80.4$

(v) $0.05 \times 7 = 0.35$

(vi) $211.02 \times 4 = 844.08$

(vii) $2 \times 0.86 = 1.72$

Question 2. Find the area of rectangle whose length is 5.7 cm and breadth is 3 cm ?

Answer: Given: Length of rectangle = 5.7 cm and Breadth of rectangle = 3 cm

Area of rectangle = Length x Breadth

$$= 5.7 \times 3 = 17.1 \text{ cm}^2$$

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

Question 3. Find:

(i) 1.3×10

(ii) 36.8×10

(iii) 153.7×10

(iv) 168.07×10

(v) 31.1×100

(vi) 156.1×100

(vii) 3.62×100

(viii) 3.07×100

(ix) 0.5×10

(x) 0.08×10

(xi) 0.9×100

(xii) 0.03×1000

Answer: (i) $1.3 \times 10 = 13.0$

(ii) $36.8 \times 10 = 368.0$

(iii) $153.7 \times 10 = 1537.0$

(iv) $168.07 \times 10 = 1680.7$

(v) $31.1 \times 100 = 3110.0$

(vi) $156.1 \times 100 = 15610.0$

(vii) $3.62 \times 100 = 362.0$

(viii) $43.07 \times 100 = 4307.0$

(ix) $0.5 \times 10 = 5.0$

(x) $0.08 \times 10 = 0.80$

(xi) $0.9 \times 100 = 90.0$

(xii) $0.03 \times 1000 = 30.0$

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: \therefore In one litre, a two-wheeler covers a distance = 55.3 km

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

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

Question 5. Find:

(i) 2.5×0.3

(ii) 0.1×51.7

(iii) 0.2×316.8

(iv) 1.3×3.1

(v) 0.5×0.05

(vi) 11.2×0.15

(vii) 1.07×0.02

(viii) 10.05×1.05

(ix) 101.01×0.01

(x) 100.01×1.1

Answer: (i) $2.5 \times 0.3 = 0.75$

(ii) $0.1 \times 51.7 = 5.17$

(iii) $0.2 \times 316.8 = 63.36$

(iv) $1.3 \times 3.1 = 4.03$

(v) $0.5 \times 0.05 = 0.025$

(vi) $11.2 \times 0.15 = 1.680$

(vii) $1.07 \times 0.02 = 0.0214$

(viii) $10.05 \times 1.05 = 10.5525$

(ix) $101.01 \times 0.01 = 1.0101$

(x) $100.01 \times 1.1 = 110.11$