CLASS NOTES-ANSWERS

EXERCISE 2.6

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) $0.2 \times 6 = \frac{2}{10} \times 6 = \frac{12}{10} = 1.2$

  (ii) $8 \times 4.6 = 8 \times \frac{46}{10} = \frac{368}{10} = 36.8$

  (iii) $2.71 \times 5 = \frac{271}{100} \times 5 = \frac{1355}{100} = 13.55$

  (iv) $20.1 \times 4 = \frac{201}{10} \times 4 = \frac{804}{10} = 80.4$

  (v) $0.05 \times 7 = \frac{5}{100} \times 7 = \frac{35}{100} = 0.35$

  (vi) $211.02 \times 4 = \frac{21102}{100} \times 4 = \frac{84408}{100} = 844.08$

  (vii) $2 \times 0.86 = 2 \times \frac{86}{100} = \frac{172}{100} = 1.72$

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

  Answer: Length of rectangle = 5.7 cm

       Breadth of rectangle = 3 cm

       ∴ Area of rectangle = Length × Breadth

                  = 5.7 × 3

                  = 17.1

     Thus, the area of rectangle is 17.1 cm^2

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) 43.07 × 100

(ix) 0.5 × 10   (x) 0.08 × 10   (xi) 0.9 × 100   (xii) 0.03 × 1000

Answer:

(i) $1.3 \times 10 = \frac{13}{10} \times 10 = 13$

(ii) $36.8 \times 10 = \frac{368}{10} \times 10 = 368$

(iii) $153.7 \times 10 = \frac{1537}{10} \times 10 = 1537$

(iv) $168.07 \times 10 = \frac{16807}{10} \times 10 = 16807$

(v) $31.1 \times 100 = \frac{311}{10} \times 100 = 3110$

(vi) $156.1 \times 100 = \frac{1561}{10} \times 100 = 15610$

(vii) $3.62 \times 100 = \frac{362}{100} \times 100 = 362$

(viii) $43.07 \times 100 = \frac{4307}{100} \times 100 = 4307$

(ix) $0.5 \times 10 = \frac{5}{10} \times 10 = 5$

(x) $0.08 \times 10 = \frac{8}{100} \times 10 = 0.8$

(xi) $0.9 \times 100 = \frac{9}{10} \times 100 = 90$

(xii) $0.03 \times 1000 = \frac{3}{100} \times 1000 = 30$

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: Distance covered by two-wheeler in 1 liter of petrol = 55.3 km

Distance covered by 10 liters of petrol = 55.3 × 10 = 553.0 km

Therefore, it will cover a distance of 553 km in 10 liter of petrol.

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 × 0.3 = 0.75

(ii) 0.1 × 51.7 = 5.17

(iii) 0.2 × 316.8 = 63.36

(iv) 1.3 × 3.1= 4.03

(v) 0.5 × 0.05 = 0.025

(vi) 11.2 × 0.15 = 1.680

(vii) 1.07 × 0.02 = 0.0214

(viii) 10.05 × 1.05 = 10.5525

(ix) 101.01 × 0.01 = 1.0101

(x) 100.01 × 1.1 = 110.011