Class-7 Maths
Chapter-2 Exercise-2.7

2. Find:

(i) 4.8 ÷ 10

= 4.8 ÷ 10

= (4.8/10)

= 0.48

(ii) 52.5 ÷ 10

= 52.5 ÷ 10

= (52.5/10)

= 5.25

(iii) 0.7 ÷ 10

= 0.7 ÷ 10

= (0.7/10)

= 0.07

(iv) 33.1 ÷ 10

= 33.1 ÷ 10

= (33.1/10)

= 3.31

(v) 272.23 ÷ 10

= 272.23 ÷ 10

= (272.23/10)

= 27.223

(vi) 0.56 ÷ 10

= 0.56 ÷ 10

= (0.56/10)

= 0.056

(vii) 3.97 ÷10

= 3.97 ÷ 10

= (3.97/10)

= 0.056

(vii) 3.97 ÷10

= 3.97 ÷ 10

= (3.97/10)

= 0.397

3. Find:

(i) 2.7 ÷ 100

= 2.7 ÷ 100

= (2.7/100)

= 0.027

(ii) 0.3 ÷ 100

= 0.3 ÷ 100

= (0.3/100)

= 0.003

(iii) 0.78 ÷ 100

= 0.78 ÷ 100

= (0.78/100)

= 0.0078

(iv) 432.6 ÷ 100

= 432.6 ÷ 100

= (432.6/100)

= 4.326

(v) 23.6 ÷100

= 23.6 ÷ 100

= (23.6/100)

= 0.236

(vi) 98.53 ÷ 100

= 98.53 ÷ 100

= (98.53/100)

= 0.9853

4. Find:

4. Find:

(i) 7.9 ÷ 1000

= 7.9 ÷ 1000

= (7.9/1000)

= 0.0079

(ii) 26.3 ÷ 1000

= 26.3 ÷ 1000

= (26.3/1000)

= 0.0263

(iii) 38.53 ÷ 1000

= 38.53 ÷ 1000

= (38.53/1000)

= 0.03853

(iv) 128.9 ÷ 1000

= 128.9 ÷ 1000

= (128.9/1000)

= 0.1289

(v) 0.5 ÷ 1000

= 0.5 ÷ 1000

= (0.5/1000)

= 0.0005

5. Find:

(i) 7 ÷ 3.5

= 7 ÷ (35/10)

= 7 × (10/35)

= 1 × (10/5)

= 2

(ii) 36 ÷ 0.2

= 36 ÷ (2/10)

= 36 × (10/2)

= 18 × 10

5. Find:

(i) 7 ÷ 3.5

= 7 ÷ (35/10)
= 7 × (10/35)
= 1 × (10/5)
= 2

(ii) 36 ÷ 0.2

= 36 ÷ (2/10)
= 36 × (10/2)
= 18 × 10
= 180

(iii) 3.25 ÷ 0.5

= (325/100) ÷ (5/10)
= (325/100) × (10/5)
= (325 × 10)/ (100 × 5)
= (65 × 1)/ (10 × 1)
= 65/10
= 6.5

(iv) 30.94 ÷ 0.7

= (3094/100) ÷ (7/10)
= (3094/100) × (10/7)
= (3094 × 10)/ (100 × 7)
= (442 × 1)/ (10 × 1)
= 442/10
= 44.2

(v) 0.5 ÷ 0.25

= (5/10) ÷ (25/100)
= (5/10) × (100/25)
= (5 × 100)/ (10 × 25)
= (1 × 10)/ (1 × 5)
= 10/5

(v) 0.5 ÷ 0.25

= (5/10) ÷ (25/100)

= (5/10) × (100/25)

= (5 × 100)/ (10 × 25)

= (1 × 10)/ (1 × 5)

= 10/5

= 2

(vi) 7.75 ÷ 0.25

= (775/100) ÷ (25/100)

= (775/100) × (100/25)

= (775 × 100)/ (100 × 25)

= (155 × 1)/ (1 × 5)

= (31 × 1)/ (1 × 1)

= 31

(vii) 76.5 ÷ 0.15

= (765/10) ÷ (15/100)

= (765/10) × (100/15)

= (765 × 100)/ (10 × 15)

= (51 × 10)/ (1 × 1)

= 510

(viii) 37.8 ÷ 1.4

= (378/10) ÷ (14/10)

= (378/10) × (10/14)

= (378 × 10)/ (10 × 14)

= (27 × 1)/ (1 × 1)

= 27

(ix) 2.73 ÷ 1.3

= (273/100) ÷ (13/10)

= (273/100) × (10/13)

= (273 × 10)/ (100 × 13)

= (21 × 1)/ (10 × 1)

= (378/10) × (10/14)
= (378 × 10)/ (10 × 14)
= (27 × 1)/ (1 × 1)
= 27

(ix) 2.73 ÷ 1.3

= (273/100) ÷ (13/10)
= (273/100) × (10/13)
= (273 × 10)/ (100 × 13)
= (21 × 1)/ (10 × 1)
= 21/10
= 2.1

6. A vehicle covers a distance of 43.2 km in 2.4 litres of petrol. How much distance will it cover in one litre of petrol?

Total distance covered by vehicle in 2.4 litres of petrol = 43.2 km
Distance covered in 1 litre of petrol = 43.2 ÷ 2.4
= (432/10) ÷ (24/10)
= (432/10) × (10/24)
= (432 × 10)/ (10 × 24)
= (36 × 1)/ (1 × 2)
= (18 × 1)/ (1 × 1)
= 18 km
∴Total distance covered in 1 liter of petrol is 18 km.