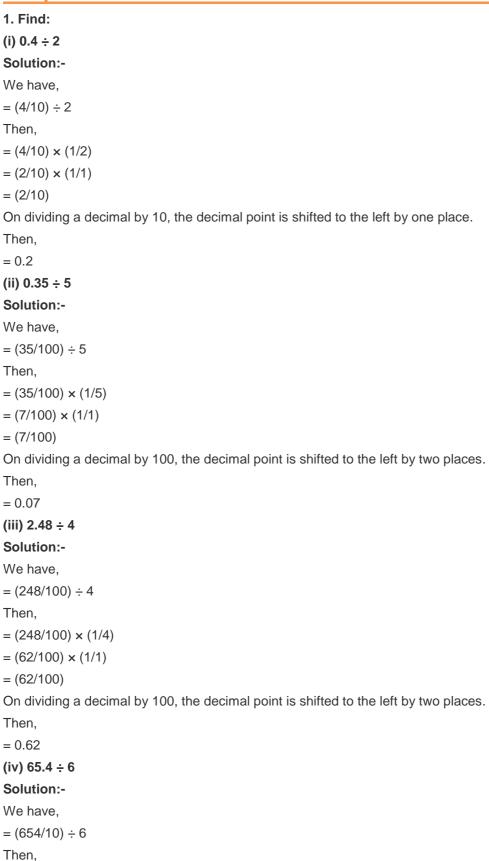
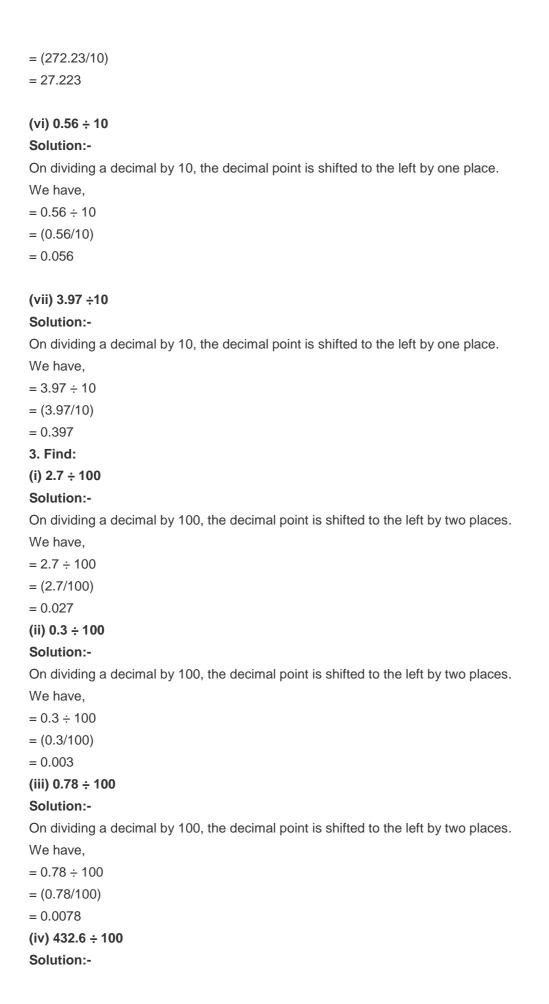
# Access answers to Maths NCERT Solutions for Class 7 Chapter 2 – Fractions and Decimals Exercise 2.7



```
= (654/10) \times (1/6)
= (109/10) \times (1/1)
=(109/10)
On dividing a decimal by 10, the decimal point is shifted to the left by one place.
Then,
= 10.9
(v) 651.2 \div 4
Solution:-
We have,
= (6512/10) \div 4
Then,
= (6512/10) \times (1/4)
= (1628/10) \times (1/1)
=(1628/10)
On dividing a decimal by 10, the decimal point is shifted to the left by one place.
Then,
= 162.8
(vi) 14.49 \div 7
Solution:-
We have,
= (1449/100) \div 7
Then,
= (1449/100) \times (1/7)
= (207/100) \times (1/1)
=(207/100)
On dividing a decimal by 100, the decimal point is shifted to the left by two places.
Then,
= 2.07
(vii) 3.96 ÷ 4
Solution:-
We have,
= (396/100) \div 4
Then,
= (396/100) \times (1/4)
= (99/100) \times (1/1)
= (99/100)
On dividing a decimal by 100, the decimal point is shifted to the left by two places.
Then,
= 0.99
(viii) 0.80 ÷ 5
Solution:-
We have,
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=(80/100) \div 5
Then,
= (80/100) \times (1/5)
= (16/100) \times (1/1)
=(16/100)
On dividing a decimal by 100, the decimal point is shifted to the left by two places.
Then,
= 0.16
2. Find:
(i) 4.8 ÷ 10
Solution:-
On dividing a decimal by 10, the decimal point is shifted to the left by one place.
We have,
= 4.8 \div 10
= (4.8/10)
= 0.48
(ii) 52.5 ÷ 10
Solution:-
On dividing a decimal by 10, the decimal point is shifted to the left by one place.
We have,
= 52.5 \div 10
= (52.5/10)
= 5.25
(iii) 0.7 \div 10
Solution:-
On dividing a decimal by 10, the decimal point is shifted to the left by one place.
We have,
= 0.7 \div 10
=(0.7/10)
= 0.07
(iv) 33.1 \div 10
Solution:-
On dividing a decimal by 10, the decimal point is shifted to the left by one place.
We have,
= 33.1 \div 10
= (33.1/10)
= 3.31
(v) 272.23 \div 10
Solution:-
On dividing a decimal by 10, the decimal point is shifted to the left by one place.
We have,
= 272.23 \div 10
```



On dividing a decimal by 100, the decimal point is shifted to the left by two places. We have,

- $= 432.6 \div 100$
- = (432.6/100)
- = 4.326

#### (v) 23.6 ÷100

#### Solution:-

On dividing a decimal by 100, the decimal point is shifted to the left by two places.

We have,

- $= 23.6 \div 100$
- = (23.6/100)
- = 0.236

#### (vi) 98.53 ÷ 100

#### Solution:-

On dividing a decimal by 100, the decimal point is shifted to the left by two places.

We have,

- $= 98.53 \div 100$
- = (98.53/100)
- = 0.9853

#### 4. Find:

#### (i) 7.9 ÷ 1000

#### Solution:-

On dividing a decimal by 1000, the decimal point is shifted to the left by three places.

We have,

- $= 7.9 \div 1000$
- = (7.9/1000)
- = 0.0079

#### (ii) 26.3 ÷ 1000

#### Solution:-

On dividing a decimal by 1000, the decimal point is shifted to the left by three places.

We have,

- $= 26.3 \div 1000$
- =(26.3/1000)
- = 0.0263

#### (iii) 38.53 ÷ 1000

#### Solution:-

On dividing a decimal by 1000, the decimal point is shifted to the left by three places. We have,

= 38.53 ÷ 1000

=(38.53/1000)= 0.03853(iv) 128.9 ÷ 1000

#### Solution:-

On dividing a decimal by 1000, the decimal point is shifted to the left by three places.

We have,

- $= 128.9 \div 1000$
- =(128.9/1000)
- = 0.1289

#### $(v) 0.5 \div 1000$

#### Solution:-

On dividing a decimal by 1000, the decimal point is shifted to the left by three places.

We have,

- $= 0.5 \div 1000$
- = (0.5/1000)
- = 0.0005

#### 5. Find:

#### (i) $7 \div 3.5$

#### Solution:-

We have,

- $=7 \div (35/10)$
- $= 7 \times (10/35)$
- $= 1 \times (10/5)$
- = 2

#### (ii) $36 \div 0.2$

#### Solution:-

We have,

- $=36 \div (2/10)$
- $= 36 \times (10/2)$
- $= 18 \times 10$
- = 180

#### (iii) $3.25 \div 0.5$

#### Solution:-

We have,

- $=(325/100) \div (5/10)$
- $= (325/100) \times (10/5)$
- $= (325 \times 10)/(100 \times 5)$
- $= (65 \times 1)/(10 \times 1)$
- = 65/10

#### (iv) $30.94 \div 0.7$

#### Solution:-

We have,

- $= (3094/100) \div (7/10)$
- $= (3094/100) \times (10/7)$
- $= (3094 \times 10)/(100 \times 7)$
- $= (442 \times 1)/(10 \times 1)$
- = 442/10
- = 44.2

#### (v) $0.5 \div 0.25$

#### Solution:-

We have,

- $= (5/10) \div (25/100)$
- $= (5/10) \times (100/25)$
- $= (5 \times 100)/(10 \times 25)$
- $= (1 \times 10)/(1 \times 5)$
- = 10/5
- = 2

#### (vi) 7.75 ÷ 0.25

### Solution:-

We have.

- $= (775/100) \div (25/100)$
- $= (775/100) \times (100/25)$
- $= (775 \times 100) / (100 \times 25)$
- $= (155 \times 1)/(1 \times 5)$
- $= (31 \times 1)/(1 \times 1)$
- = 31

#### (vii) 76.5 ÷ 0.15

#### Solution:-

We have,

- $= (765/10) \div (15/100)$
- $= (765/10) \times (100/15)$
- $= (765 \times 100) / (10 \times 15)$
- $= (51 \times 10)/(1 \times 1)$
- = 510

#### (viii) 37.8 ÷ 1.4

#### Solution:-

We have,

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= (378/10) \div (14/10)
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$$= (378/10) \times (10/14)$$

$$= (378 \times 10)/(10 \times 14)$$

$$= (27 \times 1)/(1 \times 1)$$

= 27

#### (ix) $2.73 \div 1.3$

#### Solution:-

We have,

- $=(273/100) \div (13/10)$
- $= (273/100) \times (10/13)$
- $= (273 \times 10) / (100 \times 13)$
- $= (21 \times 1)/(10 \times 1)$
- = 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?

#### Solution:-

From the question, it is given that,

Total distance covered by vehicle in 2.4 litres of petrol = 43.2 km

Then,

Distance covered in 1 litre of petrol = 43.2 ÷ 2.4

- $= (432/10) \div (24/10)$
- $= (432/10) \times (10/24)$
- $= (432 \times 10)/(10 \times 24)$
- $= (36 \times 1)/(1 \times 2)$
- $= (18 \times 1)/(1 \times 1)$
- = 18 km

<sup>∴</sup>Total distance covered in 1 liter of petrol is 18 km.