



Decimals DPP-01

Multiple Choice Questions

1. Which of the following is a decimal form?
(1) 234 (2) 432 (3) 5.3 (4) None of these
2. Write in a short form: Twelve point one
(1) 12.1 (2) 12.01 (3) 1.21 (4) 0.121
3. The value of the decimal number _____ if any number of zeros are added after or before it.
(1) Remain same (2) Negative (3) Positive (4) None of these
4. Simplify: $\frac{25}{10}$
(1) 0.25 (2) 2.5 (3) 0.025 (4) None of these
5. Simplify: $\frac{562}{100}$
(1) 5.62 (2) 0.562 (3) 56.2 (4) None of these
6. Write in a short form: Twenty point one three
(1) 203.1 (2) 20.03 (3) 20.13 (4) 200.13
7. Simplify: $\frac{56665}{1000}$
(1) 566.65 (2) 56.665 (3) 5.6665 (4) None of these

Subjective Questions:

8. Which decimal is greater than 9.49 and less than 9.51.
9. Write 3 example of like decimal.
10. Write decimals form of $\frac{3942}{10000}$.

SOLUTIONS DPP-01

1. **Option (3)**

5.3 is a decimal form.

2. **Option (1)**

12.1

3. **Option (1)**

Remain same

4. **Option (2)**

$$\frac{25}{10} = 2.5$$

5. **Option (1)**

$$\frac{562}{100} = 5.62$$

6. **Option (3)**

20.13

7. **Option (2)**

$$\frac{56665}{1000} = 56.665$$

8. $9.49 < 9.50 < 9.51$

So, we can say 9.50 is that decimal number.

9. Like decimals are those decimals that have same number of decimal places (after decimal point).

3 examples of like decimal.

3.43, 4.21, 3.33

10. $\frac{3942}{10000} = 0.3942$



Decimals DPP-02

Multiple choice questions

- Write in a short form: 4 tenths 6 hundredths
 (1) 0.46 (2) 4.6 (3) 0.046 (4) None of these
- Decimals having the same number of decimal places are called _____.
 (1) like decimals (2) unlike decimals (3) decimal fraction (4) None of these
- Write in a short form: $\frac{2}{10} + \frac{3}{100} + \frac{4}{1000}$.
 (1) 0.234 (2) 2.34 (3) 23.4 (4) 234
- The place value of the digit 7 in the decimal number 5.0378 is _____.
 (1) $\frac{7}{1000}$ (2) $\frac{7}{10}$ (3) $\frac{3}{100}$ (4) $\frac{5}{100}$
- Compare $12.1280 \square 2.129$ (using $>$, $<$, $=$).
 (1) $>$ (2) $<$ (3) $=$ (4) Either [1] or [2]
- Arrange in descending order: 0.25, 0.89, 0.56, 0.99
 (1) 0.99, 0.56, 0.89, 0.25 (2) 0.25, 0.56, 0.89, 0.99
 (3) 0.99, 0.89, 0.56, 0.25 (4) 0.89, 0.56, 0.25, 0.99
- Convert 7.25 to fraction
 (1) $\frac{725}{10000}$ (2) $\frac{725}{100}$ (3) $\frac{725}{10}$ (4) $\frac{725}{1000}$
- Decimal notation of $\frac{3}{5}$
 (1) 0.2 (2) 0.3 (3) 0.6 (4) 0.5
- Simplify: $2\frac{1}{10} =$
 (1) 2.1 (2) 2.01 (3) 2.001 (4) 2.0002
- Write $\frac{4}{20}$ as a decimal
 (1) 0.4 (2) 0.20 (3) 0.25 (4) 0.48

Subjective Questions:

11. Write in short form.
- (i) $80 + 6 + \frac{7}{10} + \frac{9}{100}$
- (ii) $900 + 40 + 1 + \frac{8}{10} + \frac{4}{100}$
12. Write sum of place values of 6 in 26.462
13. Write expanded form of 462.32
14. Arrange in Ascending order.
0.5, 0.52, 0.05, 0.555
15. $\frac{635}{20}$ change into decimal using long division method.

SOLUTIONS DPP-02

1. Option (1)

$$\frac{4}{10} + \frac{6}{100} = 0.46$$

2. Option (1)

Decimals having the same number of decimal places are called like decimals.

3. Option (1)

$$\begin{aligned} \frac{2}{10} + \frac{3}{100} + \frac{4}{1000} \\ = 0.2 + 0.03 + 0.004 \\ = 0.234 \end{aligned}$$

4. Option (1)

Place value of 7 in 5.0378 = $\frac{7}{1000}$

5. Option (1)

$$12.1280 > 2.129$$

6. Option (3)

Descending order :

$$0.99, 0.89, 0.56, 0.25$$

7. Option (2)

$$7.25 = \frac{725}{100}$$

8. Option (3)

$$\frac{3}{5} = 0.6$$

9. Option (1)

$$\begin{aligned} 2\frac{1}{10} - \frac{21}{10} \\ = 2.1 \end{aligned}$$

10. Option (2)

$$\frac{4}{20} = \frac{4 \times 5}{20 \times 5} = \frac{20}{100} = 0.20$$

11. Short form

$$(i) 80 + 6 + \frac{7}{10} + \frac{9}{100} = 80 + 6 + 0.7 + 0.09 = 86.79$$

$$(ii) 900 + 40 + 1 + \frac{8}{10} + \frac{4}{100} = 900 + 40 + 1 + 0.8 + 0.04 = 941.84$$

12. 26.462

Place value of 6 $\rightarrow \frac{6}{100}$

and 6 $\rightarrow 6$

$$\text{Required Sum} = 6 + \frac{6}{100} = 6.06$$

13. Expanded form

$$462.32 = 4 \times 100 + 6 \times 10 + 2 \times 1 + \frac{3}{10} + \frac{2}{100}$$

14. Ascending order

$$0.05 < 0.5 < 0.52 < 0.555$$

15. $\frac{635}{20}$

$$\begin{array}{r} 31.75 \\ 20 \overline{) 635} \\ \underline{-60} \\ 35 \\ \underline{-20} \\ 150 \\ \underline{-140} \\ 100 \\ \underline{-100} \\ 0 \end{array}$$

$$\therefore \frac{635}{20} = 31.75$$



Decimals DPP-03

Multiple Choice Questions

1. The sum of 2.3 and 5.3 is
(1) 7.3 (2) 7.6 (3) 7.8 (4) None of these
2. The sum of 0.32 and 0.67 is
(1) 0.96 (2) 0.97 (3) 0.98 (4) 0.99
3. Simplify: $0.07 + 0.0008$
(1) 0.15 (2) 0.015 (3) 0.0708 (4) 0.78
4. The value of $3.64 + 1.28$ is
(1) 4.92 (2) 4.29 (3) 4.39 (4) 4.45
5. Add: $11.01 + 89.259$
(1) 100.01 (2) 100.269 (3) 99.269 (4) 89.456
6. Simplify: $48.260 - 22.672$
(1) 25.588 (2) 25.592 (3) 27.000 (4) 25.598
7. Simplify: $16.887 - 10.922$
(1) 27.809 (2) 5.965 (3) 6.065 (4) 5.865
8. Subtract 23 from 68.05
(1) 45.15 (2) 45.55 (3) 91.05 (4) 45.05
9. Solve:

$$\begin{array}{r} 5.4 \\ -4.728 \\ \hline \end{array}$$

(1) 0.672 (2) 0.728 (3) 2.000 (4) 1.672
10. Simplify: $17.9 - 13.02$
(1) 31.92 (2) 30.92 (3) 4.98 (4) 4.88

Subjective Questions

11. Match the column.

Column I

- (i) $0.5 + 0.9$
- (ii) $2.3 + 2.9$
- (iii) $0.05 + 0.009$

Column II

- (a) 0.059
- (b) 1.4
- (c) 5.2

12. Write the sum of $3.2 + 5.2 + 6.39 + 9.09$.
13. Simplify : $99.25 - 74.5 - 4.5$
14. Calculate : $1000 - 294.5 + 40.2$
15. Subtract : $9200 - 46.5$

SOLUTIONS DPP- 03

1. Option (2)

$$\begin{array}{r} 2.3 \\ +5.3 \\ \hline 7.6 \end{array}$$

2. Option (4)

$$\begin{array}{r} 0.32 \\ +0.67 \\ \hline 0.99 \end{array}$$

3. Option (3)

$$\begin{array}{r} 0.0700 \\ +0.0008 \\ \hline 0.0708 \end{array}$$

4. Option (1)

$$\begin{array}{r} 3.64 \\ + 1.28 \\ \hline 4.92 \end{array}$$

5. Option (2)

$$\begin{array}{r} 11.010 \\ + 89.259 \\ \hline 100.269 \end{array}$$

6. Option (1)

$$\begin{array}{r} 48.260 \\ - 22.672 \\ \hline 25.588 \end{array}$$

7. Option (2)

$$\begin{array}{r} 16.887 \\ -10.922 \\ \hline 5.965 \end{array}$$

8. Option (4)

$$\begin{array}{r} 68.05 \\ -23.00 \\ \hline 45.05 \end{array}$$

9. Option (1)

$$\begin{array}{r} 5.400 \\ -4.728 \\ \hline 0.672 \end{array}$$

10. Option (4)

$$\begin{array}{r} 17.90 \\ -13.02 \\ \hline 4.88 \end{array}$$

11. Match the column.

(i) $0.5 + 0.9 = 1.4$

(ii) $2.3 + 2.9 = 5.2$

(iii) $0.05 + 0.009 = 0.059$

(i) \rightarrow (b), (ii) \rightarrow (c), (iii) \rightarrow (a)

12. $3.2 + 5.2 + 6.39 + 9.09 = 23.88$

13. $99.25 - 74.5 - 4.5$

$$= 99.25 - 79$$

$$= 20.25$$

14. $= 1000 - 294.5 + 40.2$

$$= (1000 + 40.2) - 294.5 \quad [\text{using BODMAS}]$$

$$= 1040.2 - 294.5$$

$$= 745.7$$

$$9200.0$$

15. $- 46.5$

$$\begin{array}{r} 9153.5 \\ \hline \end{array}$$



Decimals DPP-04

Multiple Choice Questions

1. 2 cm 2 mm = _____ cm.
(1) 2.2 cm (2) 0.22 cm (3) 2.1 cm (4) 1.2 cm
2. 5 m = _____ km.
(1) 0.5 km (2) 0.05 km (3) 0.005 km (4) 0.0005 km
3. 12 kg 20 g = _____ kg.
(1) 12.02 kg (2) 12.2 kg (3) 12.002 kg (4) 12.0002 kg
4. 1000 mg = _____ g.
(1) 1 g (2) 10 g (3) 100 g (4) None of these
5. Write 2 rupees and 50 Paise as decimal.
(1) Rs 2.05 (2) Rs. 2.50 (3) Rs.2.005 (4) Rs.2
6. Express 15kg 250g as a decimal
(1) 152.50 kg (2) 1525.0 kg (3) 1.5250 kg (4) 15.250 kg
7. Match the column.

Column I

(i) 5 cm

(ii) 92 m

(iii) 1m

Column II

(a) 0.001 km

(b) 0.05 m

(c) 9200 cm

Subjective Questions:

8. Convert 15000mm into cm, m and km.
9. Write 82m 92cm in meter.
10. 2000mg + 200g + 2kg in kg

SOLUTIONS DPP-04

1. Option (1)

$$2 \text{ cm} + 2 \text{ mm}$$

$$= 2 \text{ cm} + \frac{2}{10} \text{ cm} [\because 1 \text{ cm} = 10 \text{ mm}]$$

$$= 2.2 \text{ cm}$$

2. Option (3)

$$5 \text{ m} = \frac{5}{1000} \text{ km} [\because 1 \text{ km} = 1000 \text{ m}]$$

3. Option (1)

$$12 \text{ kg} + 20 \text{ g}$$

$$= 12 \text{ kg} + \frac{20}{1000} \text{ kg}$$

$$= 12.020 \text{ kg}$$

$$= 12.02 \text{ kg}$$

4. Option (1)

$$1 \text{ g} = 1000 \text{ mg}$$

5. Option (2)

$$2 \text{ Rupees} + \frac{50}{100} \text{ Rupees} = 2 + 0.50$$

$$= \text{Rs. } 2.50$$

6. Option (4)

$$15 \text{ kg } 250 \text{ g}$$

We know that

$$1 \text{ kg} = 1000 \text{ g}$$

$$\text{So, } 1 \text{ g} = \frac{1}{1000} \text{ kg}$$

$$250 \text{ g} = \frac{250}{1000} \text{ kg} = 0.250 \text{ kg}$$

$$15 \text{ kg } 250 \text{ g} = 15 \text{ kg} + 0.250 \text{ kg}$$

$$= 15.250 \text{ kg}$$

7. Match the column.

$$(i) 5 \text{ cm} \rightarrow (b) 0.05 \text{ m}$$

$$(ii) 92 \text{ m} \rightarrow (c) 9200 \text{ cm}$$

$$(iii) 1 \text{ m} \rightarrow (a) 0.001 \text{ km}$$

8. $15000 \text{ mm} \rightarrow 1500 \text{ cm}$

$$\rightarrow 15 \text{ m}$$

$$\rightarrow 0.015 \text{ km.}$$

9. $82\text{m } 92\text{cm}$ $[\because 1\text{ m} = 100\text{ cm}]$

$$= 82\text{m} + \frac{92}{100}\text{m} = 82.92\text{m}$$

10. $2\text{kg} = 2\text{kg}$

$$200\text{g} = 0.200\text{kg}$$

$$2000\text{mg} = 0.002\text{kg}$$

$$2.000\text{ kg}$$

$$0.200\text{ kg}$$

$$\text{Now, } + 0.002\text{ kg}$$

$$\hline 2.202\text{ kg}$$



Decimals DPP-05

Multiple Choice Questions

1. The cost of 6 bananas is ₹ 22.50 and the cost of 1.5 kg grapes is ₹ 90.50. What is the total cost of the fruits?
(1) ₹ 113 (2) ₹ 131 (3) ₹ 118 (4) ₹ 68
2. A bag contains 22 kg 200 g of potatoes, 8 kg 80 g of tomatoes and 12 kg of sugar. How much does the bag weigh?
(1) 42.280 kg (2) 422.8 kg (3) 42.820 kg (4) 48.220 kg
3. Sumeet purchased a book costing ₹ 24.75 and a pencil box. If he got back ₹ 32.75 when he gave a ₹ 100 note, what is the cost of the pencil box?
(1) ₹ 24.75 (2) ₹ 42.75 (3) ₹ 42.50 (4) ₹ 45.20
4. Ranjeet travels 63.257 km to his hometown. If he takes a bus for 48.56 km, and a train for the remaining journey, what distance does he travel by train?
(1) 16.796 km (2) 16.479 km (3) 14.697 km (4) 14.679 km
5. In a grocery store, Bharat bought a tin of biscuits for ₹ 22.29 and a box of sweets for ₹ 17.6. How much did Bharat pay?
(1) ₹ 39.89 (2) ₹ 38.99 (3) ₹ 39.98 (4) ₹ 39.99
6. A class VI maths textbook costs ₹ 37.16. An additional reading book costs ₹ 14.59. If Suman purchases both, what amount should she pay the shop keeper?
(1) ₹ 55.17 (2) ₹ 51.75 (3) ₹ 15.75 (4) ₹ 55.71
7. Kathi had a rope of 63.45 m. She cut the rope into two pieces. If the length of one piece was 23.59 m, what was the length of the other piece?
(1) 87.04 m (2) 39.86 m (3) 8.704 m (4) 3.986 m

Subjective Questions

8. The Annual rainfall received by Arunachal Pradesh is 278.42cm and by Himachal is 279.2cm. Who received less rainfall and by how much?
9. Sunny's height is 135.62cm. He stands on a stool of height 10.50cm. What is combined height now ?
10. Rashmi had \$ 463.26. Her mother gave her \$ 425.50 and her sister gave her \$ 60.39 on phonepe. How much money does she have now?

SOLUTIONS DPP-05

1. **Option (1)**

Total cost of the fruits

$$= 22.50 + 90.50$$

$$= ₹ 113$$

2. **Option (1)**

Weight of potatoes = 22 kg 200 g = 22.200 kg

Weight of tomatoes = 8 kg 80 g = 8.080 kg

Weight of sugar = 12 kg

$$22.200$$

$$8.080$$

$$+12.000$$

$$\hline 42.280$$

Total weight of bag = 42.280 kg

3. **Option (3)**

Total cost of the pencil box and book

$$= 100 - 32.75$$

$$= ₹ 67.25$$

So, cost of pencil box = 67.25 - 24.75

$$= ₹ 42.5$$

4. **Option (3)**

Distance travelled by train = 63.257 - 48.46

$$= 14.697 \text{ km}$$

5. **Option (1)**

Bharat pays = 22.29 + 17.6

$$= ₹ 39.89$$

6. **Option (2)**

She pays = 37.16 + 14.59

$$= ₹ 51.75$$

7. **Option (2)**

Length of other piece = 63.45 - 23.59 = 39.86 m

8. Arunachal Pradesh Rainfall = 278.42 cm

Himachal Rainfall = 279.2cm

Arunachal Pradesh received less rainfall = 279.2 - 278.42

$$= 0.78\text{cm}$$

9. Sunny's height = 135.62cm.
Stool's height = 10.50cm
Total combined height = 146.12cm
10. Rashmi had = \$ 463.26
Her mother gave her = \$ 425.50
Her sister gave her = \$ 60.39
Total money she has now = $463.26 + 425.50 + 60.39 = \$ 949.15$



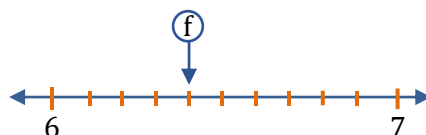
Decimals DPP-06

Multiple Choice Questions

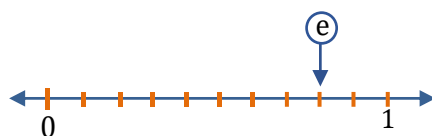
1. The letter b on the number line represents the decimal



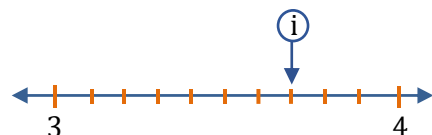
- (1) 2.0 (2) 0.2 (3) 0.1 (4) 2
2. The letter f on the number line represents the decimal



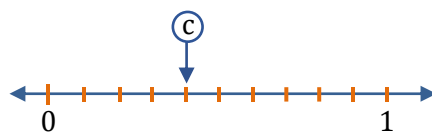
- (1) 6.2 (2) 6.3 (3) 6.4 (4) 6.5
3. 0.7499 lies between
- (1) 0.7 and 0.74 (2) 0.75 and 0.79 (3) 0.749 and 0.75 (4) 0.74992 and 0.75
4. The letter e on the number line represents the decimal



- (1) 0.8 (2) 8.0 (3) 1.8 (4) 8
5. The letter i on the number line represents the decimal

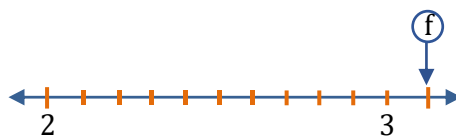


- (1) 3.8 (2) 8.0 (3) 3.7 (4) 1.8
6. The letter c on the number line represents the decimal



- (1) 0.4 (2) 4.0 (3) 0.3 (4) 0.5

7. The letter f on the number line represents the decimal



(1) 3.1

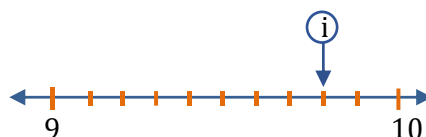
(2) 2.2

(3) 2.3

(4) 2.4

Subjective Questions

8. The letter i on the number line represents the decimal



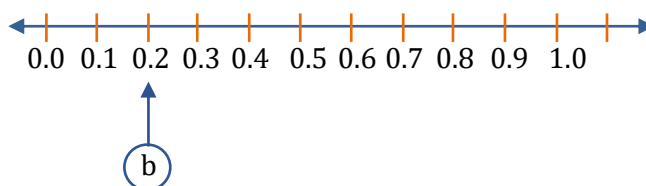
Direction (Q.9 to Q.10) Represent the following numbers on number line.

9. 6.3

10. 7.4

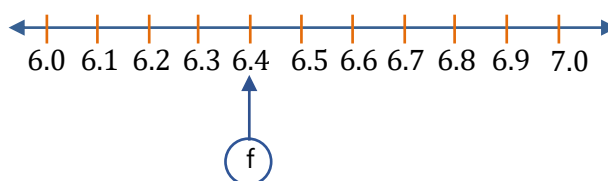
SOLUTIONS DPP-06

1. Option (2)



The letter b on the number line represents the decimal 0.2.

2. Option (3)

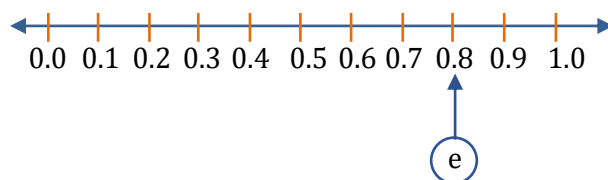


The letter f on the number line represents the decimal 6.4.

3. Option (3)

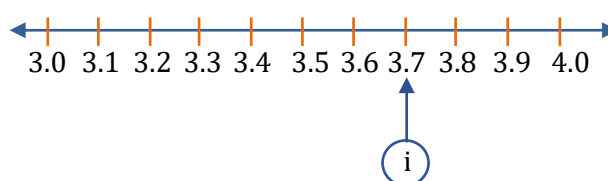
0.7499 lies between 0.749 and 0.75.

4. Option (1)



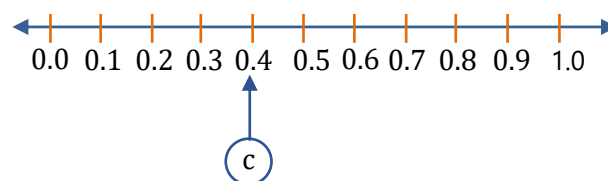
The letter e on the number line represents the decimal 0.8.

5. Option (3)



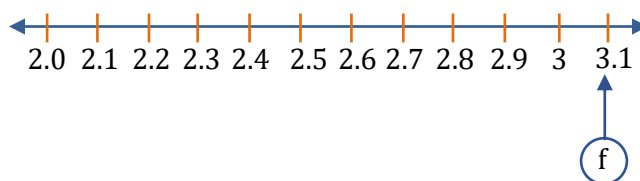
The letter i on the number line represents the decimal 3.7.

6. Option (1)



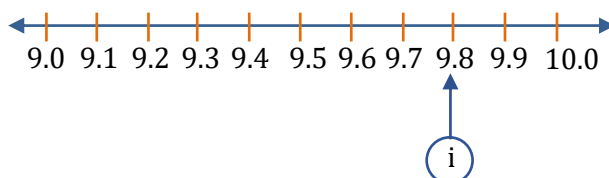
The letter c on the number line represents the decimal 0.4.

7. Option (1)



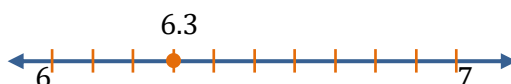
The letter f on the number line represents the decimal 3.1.

8.



The letter i on the number line represents the decimal 9.8

9. 6.3 represents a point which lie between 6 and 7 on the number line, the space between 6 and 7 is divided into 10 equal parts. So, each part will be equal to one-tenth. Now, 6.3 is the third point between 6 and 7.



10. 7.4 represents a point which lie between 7 and 8 on the number line, the space between 7 and 8 is divided into 10 equal parts. So, each part will be equal to one-tenth. Now, 7.4 is the fourth point between 7 and 8.

