



MATHS

BOOKS - MTG IIT JEE FOUNDATION

DECIMALS

Illustrations

1. Write the following decimal numbers as number names.

34.56

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2. Write the following decimal numbers as number names.

4.778

3. Write the following decimal numbers as number names.

872.14

Watch Video Solution 4. Write the following decimal numbers as number names. 26.346 Watch Video Solution 5. Find the place value of 6,9 and 4 in 358.694. Watch Video Solution 6. Find the place value of the following in the number 829.435 4



10. Write the following as decimal :

Five ones, two-tenths and four-hundredths.

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11. Write the following as decimal :

Three hundred two ones and six hundredths.

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12. Write the following as decimal :

Two ones and eight thousandths.



13. Write the following as decimals :



14. Write the following as decimals :



$$40 + 2 + rac{6}{10}$$

16. Write the following as decimals :

$$800+20+\frac{8}{10}+\frac{4}{100}$$

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17. Write the following as decimals :

$$20 + 5 + \frac{9}{10} + \frac{6}{1000}$$

18. Give a decimal for the shaded squares.

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	總關部	1.55	
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19. Give a decimal for the shaded squares.



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20. Find the vlaues of P,Q,R,S and T on the given number line.

 $\longleftrightarrow \begin{array}{c} P \\ 0 \end{array} \xrightarrow{\begin{subarray}{c} T \\ 1 \end{array} \xrightarrow{\begin{subarray}{c} Q \\ 1 \end{array} \xrightarrow{\begin{subarray}{c} R \end{array} \xrightarrow{\begin{subarray}{c} R \\ 1 \end{array} \xrightarrow{\begin{subarray}{c} R \end{array} \xrightarrow{\begin{subarray}{c}$

21. Which decimal is greater ?

82.123 or 68.21

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22. Which decimal is greater ?

0.432 or 0.598

Watch Video Solution

23. Which decimal is greater ?

32.064 or 32.011

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24. Convert 8.1, 4.32 and 7.691 into like decimals.

25. Arrange the following in ascending order :

32.435,32.336,32,32.003,32.3
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26. Arrange the following in descending order :
65.6,65.604,65.064,65,65.664
Watch Video Solution
27. Convert the following fractions into decimals. $\frac{13}{5}$
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28. Convert the following fractions into decimals.



29. Convert the following fractions into decimals.

 $\frac{25}{2}$

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30. Convert the following decimals into fractions .

0.06



31. Convert the following decimals into fractions .

9.645





34. Convert the following into rupees.

50 rupees 80 paise

35. Convert the following as instructed.

2004 cm into m

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36. Convert the following as instructed.

8 km 42 m into km

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37. Convert the following as instructed.

428 mm into cm

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38. Convert the following into kg.

3840 g





39. Convert the following into kg.

52 kg 50g

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40. Add the following decimals.

2.237 + 0.2113 + 5.5664

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41. Add the following decimals.

9.176 + 1.66

42. Add the following decimals.

2.3667 + 2.57 + 3.22

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43. Bala had Rs 69.24. His father gave him Rs 100.48 and his mother gave

Rs 50.40. How much amount he has?

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44. Solve :

Subtract 1.7609 from 6.935

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45. Solve :

Subtract 8.61 from 9.9603



46. Solve :

Subtract 2.8536 from 3.22

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47. Priya bought 5.25 kg of rice. She consumed 1.73 kg of rice. How much

rice remains with her ?

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1. Write the following numbers in the place value chart (table).

142.76

2. Write the following numbers in the place value chart (table).

32.345

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3. Write the following numbers in the place value chart (table).

1763.42

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4. Write each of the following as decimals.

Two hundreds five and three hundredths

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5. Write each of the following as decimals.

Thirteen point one two three



6. Write each of the following as decimals.

Eight and thirty five thousandths

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7. Sundaram bought a toothpaste for Rs 18.75, soap for Rs 6 and shoe polish for Rs 12.50. He gave a fifty rupee note to the shopkeeper. Find the money he got back.



8. Write the decimal numbers represented by the points A,B and C on the number line.





9. Compare the following :

63.84 and 57.98

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10. Compare the following :

27.04 and 27.10

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11. Compare the following :

82.438 and 82.434

12. Compare the following :

91.109 and 91.121



13. Write each of the following as decimals.

$$300+60+9+\frac{5}{10}+\frac{8}{100}$$

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14. Write each of the following as decimals.

$$700 + 9 + rac{2}{10} + rac{6}{1000}$$

Watch Video Solution

15. Write each of the following as decimals.

$$\frac{8}{10} + \frac{5}{100} + \frac{5}{1000}$$



16. Write each of the following as decimals.

$$20 + 4 + \frac{1}{100}$$

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17. Using decimals, express :

10cm 6mm as cm

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18. Using decimals, express :

108 cm as m

19. Using decimals, express :

Rs 5 and 40 paise as rupee

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20. Using decimals, express :

Rs 50 and 18 paise as rupee

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21. Shweta travelled 12 km 220m by bus, 8 km 485m by car and the rest

760m she walked. How much distance did she travel in all ?



22. Write the following decimals in expanded form.

2.75





23. Write the following decimals in expanded form.

542.344

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24. Write the following decimals in expanded form.

76.08

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25. Write the following decimals in expanded form.

1563.704

26. Convert the following fractions into decimals.

85 1000



27. Convert the following fractions into decimals.

212

250

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28. Convert the following fractions into decimals.

 $\frac{4}{5}$



29. Convert the following fractions into decimals.

77

25





30. Convert the following decimals into fractions.

120.04

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31. Convert the following decimals into fractions.

9.435

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32. Convert the following decimals into fractions.

15.012

33. Convert the following decimals into fractions.

0.75

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34. Tanuj walked 8.62 km on Monday, 7.05km on Tuesday and some distance on Wednesday. If he walked 21015m in three days, how much distance did he walk on Wednesday?

35. Give a decimal for the shaded part.



36. Give a decimal for the shaded part.

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	観日			2	1	
	影器					
	統調					
	調査					
留肥	載篇					
	開始					
	警察					
編服	調磁					

37. Give a decimal for the shaded part.



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38. Write the place value of 6 in the following decimal numbers.

28.63

39. Write the place value of 6 in the following decimal numbers.

15.16

13.10				
Vatch Video Solution				
40. Write the place value o	f 6 in the fo	ollowing decimal numbers.		
8.036				
Watch Video Solutio	n			
41 . Write the following as r	umbers.			
	idiniber 5.			
Tens	Ones	Tenths		



42. Write the following as numbers.



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Ncert Section Exercise 81

1. Write the following as numbers in the given table.



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2. Write the following decimals in the place value table.

19.4

3. Write the following decimals in the place value table.

0.3

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4. Write the following decimals in the place value table.
10.6
Vatch Video Solution
5. Write the following decimals in the place value table.
205.9
Vatch Video Solution
6. Write each of the following as decimals :

Seven-tenths



7. Write each of the following as decimals :

Two tens and nine-tenths

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8. Write each of the following as decimals :

Fourteen point six

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9. Write each of the following as decimals :

One hundred and two ones

10. Write each of the following as decimals :

Six hundred point eight



12. Write each of the following as decimals :

$$3+rac{7}{10}$$



13. Write each of the following as decimals :

$$200 + 60 + 5 + rac{1}{10}$$




17. Write each of the following as decimals :

 $\frac{3}{2}$



18. Write each of the following as decimals :

 $\frac{2}{5}$

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19. Write each of the following as decimals :

 $\frac{12}{5}$



20. Write each of the following as decimals :







0.6

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23. Write the following decimals as fractions.Reduce the fractions to lowest form.

2.5

24. Write the following decimals as fractions.Reduce the fractions to lowest form.

1.0

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25. Write the following decimals as fractions.Reduce the fractions to lowest form.

3.8

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26. Write the following decimals as fractions.Reduce the fractions to lowest form.

13.7

27. Write the following decimals as fractions.Reduce the fractions to lowest form.

21.2

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28. Write the following decimals as fractions.Reduce the fractions to lowest form.

6.4



29. Express the following as cm using decimals.

2mm

30. Express the following as cm using decimals.

30mm

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31. Express the following as cm using decimals.

116mm

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32. Express the following as cm using decimals.

4cm 2mm

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33. Express the following as cm using decimals.

162 mm





34. Express the following as cm using decimals.

83mm

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35. Between which two whole numbers on the number line are the given

numbers lie?

Which of these whole numbers is nearer the number?





36. Between which two whole numbers on the number line are the given







40. Between which two whole numbers on the number line are the given numbers lie?

Which of these whole numbers is nearer the number?



42. Write the decimal number represented by the points A,B,C,D on the





43. The length of Ramesh's notebook is 9cm 5mm. What will be its length

in cm?

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44. The length of a young gram plant is 65mm. Express its length in cm.
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Ncert Section Exercise 8 2

1. Complete the table with the help of these boxes and use decimals to write the number.

(a)				
(b)				
(c)				
	Ones	Tenths	Hundredths	Number
(a)	2.20	12 2 2		
(b)				
(c)				

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2. Write the number given in the following place value table in decimal

form.

	Hundreds 100	Tens 10	Ones 1	Tenths 1 10	Hundredths 1 100	Thousandths 1 1000
(a)	0	0	3	2	5	0
(b)	1	0	2	6	3	0
(c)	0	3	0	0	2	5
(d)	2	1	1	9	0	2
(e)	0	1	2	2	4	1

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3. Write the following decimals in the place value table.

0.29

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4. Write the following decimals in the place value table.

2.08

5. Write the following decimals in the place value table.

19.60

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6. Write the following decimals in the place value table.

148.32

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7. Write the following decimals in the place value table.

200.812

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8. Write each of the following as decimals.

$$20 + 9 + rac{4}{10} + rac{1}{100}$$



9. Write each of the following as decimals.

$$137 + \frac{5}{100}$$

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10. Write each of the following as decimals.

 $\frac{7}{10} + \frac{6}{100} + \frac{4}{1000}$

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11. Write each of the following as decimals.

$$23 + rac{2}{10} + rac{6}{1000}$$

12. Write each of the following as decimals.

$$700 + 20 + 5 + \frac{9}{100}$$
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13. Write each of the following decimals in words.
0.03
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14. Write each of the following decimals in words.

1.20



15. Write each of the following decimals in words.

108.56





17. Write each of the following decimals in words.

0.032

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18. Write each of the following decimals in words.

5.008

19. Between which two numbers in tenths place on the number line does

each of the given number lie?

0.06

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20. Between which two numbers in tenths place on the number line does

each of the given number lie?

0.45

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21. Between which two numbers in tenths place on the number line does each of the given number lie? (a) 0.06 (b) 0.45 (c) 0.19 (d) 0.66 (e) 0.92 (f) 0.57

22. Between which two numbers in tenths place on the number line does each of the given number lie? (a) 0.06 (b) 0.45 (c) 0.19 (d) 0.66 (e) 0.92 (f) 0.57

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23. Between which two numbers in tenths place on the number line does each of the given number lie?

0.92

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24. Between which two numbers in tenths place on the number line does

each of the given number lie?

0.57

25. Write as fractions in lowest terms. (a) 0.60 (b) 0.05 (c) 0.75 (d) 0.18 (e)

0.25 (f) 0.125 (g) 0.066

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26. Write as fractions in lowest terms. (a) 0.60 (b) 0.05 (c) 0.75 (d) 0.18 (e)

0.25 (f) 0.125 (g) 0.066

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27. Write as fractions in lowest terms.

0.38

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28. Write as fractions in lowest terms.

0.96



29. Write as fractions in lowest terms. (a) 0.60 (b) 0.05 (c) 0.75 (d) 0.18 (e)

0.25 (f) 0.125 (g) 0.066

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30. Write as fractions in lowest terms. (a) 0.60 (b) 0.05 (c) 0.75 (d) 0.18 (e)

0.25 (f) 0.125 (g) 0.066

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31. Write as fractions in lowest terms.

0.336

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Ncert Section Exercise 8 3

1. Which is greater	- ?
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0.03 or 0.004



2. Which is greater? (a) 0.3 or 0.4 (b) 0.07 or 0.02 (c) 3 or 0.8 (d) 0.5 or 0.05

(e) 1.23 or 1.2 (f) 0.099 or 0.19 (g) 1.5 or 1.50 (h) 1.431 or 1.490 (i) 3.3 or 3.300

(j) 5.64 or 5.603

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3. Which is greater ?

3 or 0.8

4. Which is greater ?

0.5 or 0.05

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5. Which is greater ?

1.23 or 1.2

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6. Which is greater ?

0.099 or 0.19

Watch Video Solution

7. Which is greater ?

1.8 or 1.80





8. Which is greater ?

1.431 or 1.490

Watch Video Solution

9. Which is greater ?

3.3 or 3.300

Watch Video Solution

10. Which is greater?

5.64 or 5.603

11.	Make	five	more	examp	oles and	d find	the	greater	number	from	them.
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Ncert Section Exercise 8 4
1. Express as rupees using decimals. 5 paise
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2. Express as rupees using decimals. 75 paise
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3. Express as rupees using decimals.

20 paise

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4. Express as rupees using decimals.

7 rupees 83 paise

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5. Express as rupees using decimals. (a) 5 paise (b) 75 paise (c) 20 paise (d)

50 rupees 90 paise (e) 725 paise

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6. Express as metres using decimals. (a) 15 cm (b) 6 cm (c) 2 m 45 cm (d) 9

m 7 cm (e) 419 cm





6 cm

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8. Express as metres using decimals.

2m 45 cm

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9. Express as metres using decimals.

9 m 7 cm

View Text Solution

10. Express as metres using decimals.

419 cm

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11. Express as cm using decimals.

5mm

View Text Solution

12. Express as cm using decimals.

60mm

View Text Solution

13. Express as cm using decimals.

164mm





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17. Express as km using decimals.

88m

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18. Express as km using decimals.

888m

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19. Express as km using decimals.

70km 5m

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20. Express as kg using decmials.

2g





21. Express as kg using decmials.

100g

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22. Express as kg using decmials.

3750g

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23. Express as kg using decmials.

5kg 8 g

24. Express as kg using decmials.

26kg 50 g

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Ncert Section Exercise 8 5

1. Find the sum in each of the following :

0.007 + 8.5 + 30.08

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2. Find the sum in each of the following :

15 + 0.632 + 13.8

3. Find the sum in each of the following :

27.076 + 0.55 + 0.004

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4. Find the sum in each of the following :

25.65 + 9.005 + 3.7

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5. Find the sum in each of the following :

0.75 + 10.425 + 2

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6. Find the sum in each of the following :

280.69 + 25.2 + 38



7. Rashid spent Rs 35.75 for Maths book and Rs 32.60 for Science book.

Find the total amount spent by Rashid.

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8. Radhikas mother gave her Rs 10.50 and her father gave her Rs 15.80,

find the total amount given to Radhika by the parents.

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9. Nasreen bought 3m 20cm cloth for her shirt and 2m 5cm cloth for her

trouser. Find the total length of cloth bought by her.

10. Naresh walked 2 km 35 m in the morning and 1 km 7 m in the evening.

How much distance did he walk in all?

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11. Sunita travelled 15km 268 m by bus, 7km 7m by car and 500m on foot

in order to reach her school. How far is her school from her residence?

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12. Ravi purchased 5kg 400g rice, 2kg 20g sugar and 10kg 850g atta. Find

the total weight of his purchases.



Ncert Section Exercise 8 6

1. Subtract : (a) Rs 18.25 from Rs 20.75 (b) 202.54 m from 250 m (c) Rs 5.36

from Rs 8.40 (d) 2.051 km from 5.206 km (e) 0.314 kg from 2.107 kg

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2. Subtract :						
202.54 m from 250m						
Watch Video Solution						
3. Subtract :						
Rs 5.56 from Rs 9.80						
Watch Video Solution						

4. Subtract :

1.163 km from 3.259 km




5. Subtract :

1.159 kg from 4.134kg

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6. Find the value of :

9.756-6.28

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7. Find the value of :

21.05-15.27

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8. Find the value of :

18.5-6.79

Watch Video Solution

9. Find the value of :

11.6-9.847

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10. Raju bought a book for Rs 35.65. He gave Rs 50 to the shopkeeper. How

much money did he get back from the shopkeeper?



11. Rani had Rs 18.50. She bought one ice-cream for Rs 11.75. How much

money does she have now?



12. Tina had 20 m 5 cm long cloth. She cuts 4 m 50 cm length of cloth

from this for making a curtain. How much cloth is left with her?

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13. Namita travels 20 km 50 m every day. Out of this she travels 10 km 200 m by bus and the rest by auto. How much distance does she travel by auto?

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14. Aakash bought vegetables weighing 10 kg. Out of this, 3 kg 500 g is onions, 2 kg 75 g is tomatoes and the rest is potatoes. What is the weight of the potatoes?

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Exercise Multiple Choice Questions Level 1

1. The decimal form of $\frac{6708}{100}$ is _____.

A. 67.08

B. 670.8

C. 6.708

D. 670

Answer: A

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2. The fraction form of 0.45 is _____.

A. $\frac{45}{10}$ B. $\frac{9}{20}$ C. $\frac{5}{20}$

D.
$$\frac{3}{20}$$

Answer: B



4. The fraction form of 6.25 is _____.

A.
$$\frac{625}{10}$$

B. $\frac{625}{100}$
C. $\frac{125}{2}$
D. $\frac{25}{2}$

Answer: B

A.

Β.



5. Which model shows 0.04 shaded ?

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Answer: D

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6. Express 80mm in cm as _____.

A. 0.8cm

B. 80 cm

C. 800 cm

D. 8 cm

Answer: D



8. The sum of 609.20 + 16.3 + 42 is _____

A. 660.5

B. 667.5

C. 669.5

D. 670.5

Answer: B

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9. The value of
$$10 + 0 + rac{9}{100} + rac{5}{1000}$$
 is

A. 10.905

B. 10.95

C. 10.095

D. 1.095

Answer: C

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10. In 16.532, the digit 3 is in which place?

A. Tenths

B. Hundredths

C. Hundreds

D. Thousands

Answer: B

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11. How many hundredths are there in 4 tenths?

A. 400

B.40

C.
$$\frac{1}{40}$$

D. 4

Answer: B

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12. Anusha has three pieces of ribbons. One piece is 43.75m long, another 82.6m long and the third is 63.25m long. What is the total length of the three pieces of ribbon?

A. 189.60m

B. 204.40m

C. 174.60m

D. 196.40m

Answer: A

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13. The expanded form of 28.001 is ______

A.
$$20 + 8 + \frac{1}{10}$$

B. $20 + 8 + \frac{1}{1000}$
C. $20 + 8 + \frac{1}{100}$
D. $20 + \frac{8}{10} + \frac{1}{100}$

Answer: B



14. Which statement is true ?

A. 5.69 < 5.6

 ${\rm B.}\,10.61>10.602$

C. 11.112 < 2.112

 ${\rm D.}\,12.55>12.555$

Answer: B



15. $2rac{1}{25}$ expressed as a decimal is	_•
A. 1.25	
B. 2.4	
C. 2.5	
D. 2.04	

Answer: D

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16. Which decimal number is greater than $\frac{3}{4}$?

A. 0.85

B. 0.5

C. 0.69

D. 0.75

Answer: A



17. The place value of '7' in 32.507 is ______

A. 7 hundredths

B.7 tenths

C. 7 thousandths

D. 7 thousands

Answer: C



18. The value of (1 + 0.1 + 0.01 + 0.001) is _____.

A. 1.001

B. 1.111

C. 0.111

D. 1.011

Answer: B

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19. A man had a hundred rupee note. He bought vegetables for Rs 26.75 and fruits for Rs 25.45. How much money he has left?

A. Rs 47.80

B. Rs 52.40

C. Rs 73.25

D. Rs 37.80

Answer: A



20. The largest among 54.32,54.35,54.23, and 5.23 is ______.

A. 54.32

B. 54.23

C. 54.35

D. 5.23

Answer: C

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21. 43.266-24.557+34.970 is simplified as ______.

A. 53.769

B. 53.679

C. 753.679

D. 102.793

Answer: B



22. What is the sum of 6mm, 60m and 60 cm?

A. 6600.6cm

B. 6000.6cm

C. 6060.6cm

D. 6666cm

Answer: C

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23. Which of the following is not equivalent to 1.670?

A.
$$\frac{167}{100}$$

B. $\frac{1670}{1000}$
C. $\frac{16.7}{10}$

 $D.\,16.7$

Answer: B



24. Subtracting 8 km 73m from 15km 160m, we get ______.

A. 7.078km

B. 0.087km

C. 23.233km

D. 7.087km

Answer: D

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25. Which of the following decimal numbers are represented by points K





26. Simplify the following :

 $43.16 \pm 493.28 \pm 507.34$

A. 29.5

B. 29.1

C. 417.54

D. 143.78

Answer: B

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27. Simplify the following :

2.36 - 3.24 + 4.57

A. 3.96

B. 10.17

C. 3.69

D. 1.03

Answer: C

28. 5kg 3 g is expressed in kg using decimal as

A. 3.005kg

B. 5.003 kg

C. 5.3 kg

D. 5.03 kg

Answer: B

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29. Write the following as decimal.

 $200 + 10 + 5 + \frac{6}{10}$

A. 205.6

B. 215.06

C. 80.6

D. 215.6

Answer: D

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30. Subtract 1.412 km from 3.69 km.

A. 1.728km

B. 2.278 km

C. 2.728km

D. 1.278 km

Answer: B

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31. Add : 9.7,13.85,126.05 and 8.796.

A. 22.883

B. 158.396

C. 1583.96

D. 228.83

Answer: B

Watch Video Solution

32.
$$60 + 6 + rac{4}{10} + rac{8}{100}$$
 in decimal form can be written as

A. 606.48

B. 66.048

C. 606.048

D. 66.48

Answer: D



34. 32.1068-2.009 is equal to

A. 30.0978

B. 300.978

C. 30.00978

D. 30.978

Answer: A

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35. 2m is equal to

A. 0.2km

B. 0.02km

C. 0.002km

D. 0.0002km

Answer: C

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1. Which of the following set of decimals are arranged in ascending order

A. 2.910,2.019,2.109,2.119

B. 2.910,2.119,2.109,2.019

C. 2.019,2.109,2.119,2.910

D. 2.119,2.109,2.019,2.910

Answer: C

?

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2. Pushkar purchased a chocolate for Rs 12.50, a pastry for Rs 5.75 and a packet of chips for Rs 8.38. How much money did he spend in all ?

B. Rs 26.63

C. Rs 28.63

D. Rs 20

Answer: B

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3. Select the correct match of shaded portion.





Answer: D

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4. Find the value of

(i) 17.432-12.876+82.49-51.905

(ii) 39.2186+23.543-82.432+90.625

(iii) 69.3875-37.483-28.515+38.75

A.	i	ii	iii
	42.645	80.1955	421395
Β.	i	ii	iii
	35.141	80.1955	35.4325
~			
c	i	ii	iii
C.	i42.645	ii70.9546	iii 35.4325
C.	i 42.645 i	ii 70.9546 ii	iii 35.4325 iii

Answer: D

5. The corner store sold 129.91 litres of milk on Thursday and 11.32 litres more than this quantity on Friday. The following day, 18.94 litres less milk was sold than on Friday. How many litres of milk did they sell on Saturday?

A. 160.17 litres

B. 137.53 litres

C. 122.29 litres

D. 99.65 litres.

Answer: C



6. Which of the following is the correct ?

A. 2.2 < 2.02 < 2.002 < 2.222

 ${\rm B.}\,2.002<2.02<2.2<2.222$

 $\mathsf{C.}\, 2.02 < 2.22 < 2.002 < 2.222$

D. None of these

Answer: B

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7. Simplify the following :

75.3-104.645+178.96-47.9

A. 95.715

B. 86.475

C. 101.715

D. 100.475

Answer: A

8. By how much should 23.745 be increased to get 35?

A. 11.255

B. 10.215

C. 11.612

D. 12.155

Answer: A

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9. What is the sum of 5cm, 50m and 50 cm?

A. 50.55m

B. 50.055m

C. 55.05 m

D. 55.055m

Answer: A



10. Which of the following is correct?

 ${
m A.}\,0.088>0.18$

B.0.4 = 0.04

 ${
m C.}\,4.72>4.702$

 ${\sf D}.\,2.8>2.800$

Answer: C

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11.8 kg 70g - 0.526 kg is equal to

A. 7.544kg

B. 7.455 kg

C. 8 kg

D. 75.44g

Answer: A

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12. The decimal for 3 hundreds +8 hundredths is

A. 3.8

B. 300.8

C. 300.08

D. 300.008

Answer: C

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13. Mr Sharma spend Rs 1287.90 on clothings, Rs 389.96 on travelling and Rs 1280.71 for hotel accomodation . If he has Rs 5800 left with him, how much money did he have in the beginning ?

A. Rs 5875.75

B. Rs 8758.57

C. Rs 7858.58

D. Rs 8578.57

Answer: B

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14. A mountaineer climbs 67.32 metres from the base camp situated at an altitude of 2307.58 metres. He climbs further 75.86 metres. What altitude does he reach after this?

A. 2450.76,m

B. 2050.67m

C. 1450.76m

D. 2105.76m

Answer: A



15. Mishika went to the market with Rs 4000 . She purchased one top , one toy and skates costing Rs 578.75, Rs 309 and Rs 1863.85 respectively. How much money is left with her?

A. Rs 2249.40

B. Rs 2750.60

C. Rs 1249.40

D. Rs 1750.60

Answer: C



Exercise Match The Following Level 2

1. Match the following :

	$\operatorname{List-I}$		List-II
p	2.220	1.	$2+rac{2}{100}$
Q	2.022	2.	$2+rac{2}{10}+rac{2}{100}$
R	2.020	3.	$20 + \frac{2}{10} + \frac{2}{1000}$
S	20.202	4.	$2+rac{2}{100}+rac{2}{1000}$

A. P-4,Q-2,R-3,S-1

B. P-4,Q-2,R-1,S-3

C. P-2,Q-4,R-3,S-1

D. P-2,Q-4,R-1,S-3

Answer: D
2. Match the following :

	$\operatorname{List-I}$		$\operatorname{List-II}$
P	$\frac{2}{5}$	1.	0.70
Q	$\frac{3}{4}$	2.	0.25
R	$\frac{7}{10}$	3.	0.40
S	$\frac{1}{4}$	4.	0.75

A. P-4,Q-3,R-2,S-1

B. P-3,Q-4,R-1,S-2

C. P-1,Q-2,R-3,S-4

D. P-3,Q-1,R-4,S-2

Answer: B

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3. Match the following :

List-I

- P The snowfall during three winter months was 30.5cm, 45.25cm, and 25
- Q $\,$ Kritika's weight is 35 kg 75g and her sister Khushi's weight is 27kg 98 $\,$
- R Naresh drives 42km 35m in the morning and 25 km 7 m in the evening
- S. Anu had Rs 218.50. She bought some ice-creams for Rs 205.75. The mc

A. P-1,Q-2,R-2,S-4

B. P-3,Q-1,R-2,S-4

C. P-3,Q-1,R-4,S-2

D. P-1,Q-3,R-4,S-2

Answer: C

View Text Solution

Exercise Assertion Reason Type

1. Assertion : 0.7,0.70,0.700 are equivalent decimals.

Reason : Number of zero at the end of decimal number change the value

of the number.

A. If both assertion and reason are true and reason is the correct

explanation of assertion

B. If both assertion and reason are true but reason is not the correct

explanation of assertion.

C. If assertion is true but reason is false.

D. If assertion is false but reason is true.

Answer: C

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Reason : In the denominator, write 1 followed by as many zeroes as there

are decimal place in the given decimal.

A. If both assertion and reason are true and reason is the correct

explanation of assertion

B. If both assertion and reason are true but reason is not the correct

explanation of assertion.

- C. If assertion is true but reason is false.
- D. If assertion is false but reason is true.

Answer: A

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3. Assertion : The number 211.902 is expressed in expanded form as $2 \times 100 \times 1 \times 10 \times 1 + 9 \times \frac{1}{10} \times 2 \times \frac{1}{100}$. Reason : As we go from left to right, the multiplying factor becomes $\frac{1}{10}$ of the previous factor.

A. If both assertion and reason are true and reason is the correct

explanation of assertion

B. If both assertion and reason are true but reason is not the correct

explanation of assertion.

C. If assertion is true but reason is false.

D. If assertion is false but reason is true.

Answer: D

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4. Assertion : The sum of 27.8, 175.09 and 685.7 is 888.59.

Reason : To subtract decimal numbers, we place them columnwise correctly in the place value table and subtract them in the same way as of whole numbers.

A. If both assertion and reason are true and reason is the correct explanation of assertion

B. If both assertion and reason are true but reason is not the correct

explanation of assertion.

C. If assertion is true but reason is false.

D. If assertion is false but reason is true.

Answer: B

Watch Video Solution

5. Assertion : Expressing 735 m into km, we get 735000km.

Reason: 1m $= \frac{1}{1000} km$

A. If both assertion and reason are true and reason is the correct

explanation of assertion

B. If both assertion and reason are true but reason is not the correct

explanation of assertion.

C. If assertion is true but reason is false.

D. If assertion is false but reason is true.

Answer: D

Exercise Comprehension Type Passage I

1. To change a decimal numeral to a fraction, express the decimal as a fraction with denominator 10,100 , 1000 and then reduce it to its lowest term.

The sum of 67.25,5.5,9.86 in fraction form is

A.
$$\frac{8261}{100}$$

B. $\frac{413}{5}$
C. 207
D. $\frac{820}{100}$

Answer: A

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2. To change a decimal numeral to a fraction, express the decimal as a fraction with denominator 10,100 , 1000 and then reduce it to its lowest term.

Amit bought a comic book for Rs45.60 and a magazine for Rs 70.00. What is the total amount (in Rs) spent by Amit (Express in lowest fractional form)?

A.
$$\frac{102}{5}$$

B. $\frac{156}{2}$
C. $\frac{578}{5}$
D. $\frac{1156}{5}$

Answer: C



3. To change a decimal numeral to a fraction, express the decimal as a fraction with denominator 10,100 , 1000 and then reduce it to its lowest

term.

Convert 19.07 kg into grams.

A. 19070g

$$\mathsf{B.}\,\frac{1907}{10}g$$

C. 1907 g

D. None of these

Answer: A

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Exercise Comprehension Type Passage li

1. A squash ball weighs 34000 mg, a cricket ball weighs 45g, a basketball

weighs 0.65 kg and a football weighs 3 kg.

Which of the given sports ball is lightest in weight?

A. Cricket ball

B. Football

C. Squash ball

D. Basketball

Answer: C

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2. A squash ball weighs 34000 mg, a cricket ball weighs 45g, a basketball

weighs 0.65 kg and a football weighs 3 kg.

What is the total weight (in kg) of basketball and football?

A. 0.365kg

B. 3.65kg

C. 365kg

D. 3 kg

Answer: B



3. A squash ball weighs 34000 mg, a cricket ball weighs 45g, a basketball weighs 0.65 kg and a football weighs 3 kg.

What is the total weight of all the balls (in mg)?

A. 3729 mg

B. 3.729mg

C. 3729000 mg

D. 0.3729mg

Answer: C

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Exercise Subjective Problems Very Short Answer Type

1. Write
$$\frac{5}{1000}$$
 in decimal form.



6. Express
$$6 imes rac{1}{10} + 8 imes rac{1}{100}$$
 as a decimal.



7. Simplify
$$: 6 - 0.4 - 0.87$$
.



8. Write
$$3\frac{1}{5}$$
 as a decimal.

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9. Show 1.8 on the number line.

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10. Write in order from least to the greatest : 2.1,2.105,2.011.



3. Write the following decimals in expanded form.

(i) 412.607 (ii) 1243.26





4. Find the sum of 40 rupees 80 paise and 95 rupees 50 paise.

Watch Video Solution		
5. Ramesh and Rahul walked back to their homes by walking 3.2 km and		
3.58km respectively. Who walked more distance and by how much ?		

Watch Video Solution

6. Simplify : 3.23 + 29.375 + 81.2016 + 0.3376



7. A man purchases an almirah for Rs 3675, gives Rs 172.50 as its cartage and spends Rs 64.80 on its repair. How much does he spend for the almirah?



Exercise Subjective Problems Long Answer Type

1. Rahim, Ravinder and Rohit bought 8.5 litres, 7.25 litres and 9.4 litres milk respectively from a milk booth. How much milk did they buy in all? If there was 30 litres of milk in both, find the quantity of milk left.

Watch Video Solution			
2. Simplify :			
(81.61- 41.4135) - (503.37+253)			
Watch Video Solution			
3. Simplify :			
91.469+39.65-57.255+14.50			
Watch Video Solution			

4. Simplify :

23.667-2.55-19.205+80.432

5. Rajendra purchased 6 kg 25 g of fruits and 4 kg 355 g of vegetables and put them in a bag. If this bag with these contents weighs 11 kg, find the weight of the empty bag.

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6. The distance between Reeta's house and her office is 14 km. She covers

10 km 65 m by scooter, 3 km 75 m by bus and the rest on foot. How much

distance does she cover by walking?

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7. How many numbers with 2 decimal places between 2.5 and 3 contain

the digit 7.





4. How many grams are there in 0.008 kg?





lowest term, is



Olympiad Hots Corner

1. The simplification of

 $2.002 + 7.9 + \{2.8 - 6.3 + (3.6 - 1.5) + 15.6\}$ gives

A. 2.002

B. 4.2845

C. 40.843

D. 24.102

Answer: D



2. Kiara weighs 34.5 kg. Her uncle weighs 69 kg more than Kiara's weight.

What is their total weight?

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3. Garima was shopping for a new hand bag. The one she wanted to buy cost Rs 428.98. The sales person informed her that the same hand bag would be on sale in the following week for Rs 399.99. How much money would she save by waiting until the hand bag went on sale?

A. Rs 28.99

B. Rs 29.01

C. Rs 128.99

D. Rs 39.09

Answer: A

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4. A drum has 705 litres of oil. Two containers of capacity 135.75 litres and 253.50 litres are filled with oil from the drum. Find the quantity of oil left in the drum.

A. 720 litres

B. 300 litres

C. 215.75 litres

D. 315.75 litres

Answer: D

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5. Read the statements carefully and state T for true and F for false.

I. The place value of a digit at tenths place is 0.1 times the place value of same digit at the hundredths place.

$$\text{II.} \ \frac{0.03}{0.3} + \frac{3.3}{0.03} = 110.1$$

III. Five and seven hundredths is written as 5.07

A.
$$I$$
 II III F T T B. I II III F F F C. I II III T F F D. I II III F T F

Answer: A

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6. Simplify the given expression :

5+0.6+0.03+0.004+(9 imes100)+(2 imes10)

A. 529.364

B. 259.634

C. 925.634

D. 925.436

Answer: C

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7. Compare and fill in the box with < , > or =. $18.8 + 3\frac{1}{5} + 7\frac{3}{5} \Box 16.2 + 4\frac{7}{25} + 3\frac{1}{8}$ A. = B. >

C. <

D. Can't be determined

Answer: B



8. Select the correct match.

A. Twelve and thirty nine thousandths- 12.420

B. Four and forth hundredths -4.004

C. Sixteen and two tenths - 16.2

D. Eight and five hundredths -80.50

Answer: C

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9. A line segment measuring 28.254cm is divided into three parts. If lengths of two line segments are 11.678 cm and 7.158 cm, then find the measure of third part.

B. 5.646cm

C. 9.264cm

D. 9.418cm

Answer: D

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10. Arrange the following numbers in descending order.

0.9898,0.8899,0.9889,0.8989

A. 0.9898,0.9889,0.8989,0.8899

B. 0.8899, 0.8989, 0.9898, 0.9889

C. 0.8899,0.8989,0.9889,0.9898

D. 0.8989,0.8899,0.9889,0.9898

Answer: A

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11. If the sum of two numbers is 15.96 and one number is 3.58, find the other number.

A. 12.38

B. 19.54

C. 13.82

D. 15.94

Answer: A

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12. Find the fraction, if its decimal value is 0.6 and denominator is 75

A.
$$\frac{35}{75}$$

B. $\frac{45}{75}$
C. $\frac{65}{75}$

 $\mathsf{D.}~\frac{85}{75}$

Answer: B



13. Find the value of circles P,Q and R respectively, such that the sum of the numbers in two quadrilaterals equals to the value of the circle in between them.



B. 7.334,6.442,2.332

C. 9.742,2.676,8.064

D. 8.064,9.742,8.999

Answer: A

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14. Chinmay purchased 10kg rice for Rs 150, 15kg 40g sugar for Rs 300.80 and 5 kg 60g salt for Rs 45.54. He gave Rs 1000 to the shopkeeper. How much money did he get back?

A. Rs 234.94

B. Rs 503.66

C. Rs 496.34

D. Rs 743. 99

Answer: B



15. In which of the following figures does the shaded part represents 0.3 ?



Answer: A

16. A courier man covers 35m distance to deliver a product to the customer. He travels 0.028km by bicycle and the rest on foot. What distance does he cover on foot ?

A. 5m

B. 7m

C. 8m

D. 10m

Answer: B

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17. The difference between place values of digit 5 in 456.385 is

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18. Sanya bought two similar pens for Rs 13.60 each and a notebook for Rs

46.35. She gave the cashier a Rs 100 note. How much did she get back?

A. Rs 26.45

B. Rs 26.76

C. Rs 25.87

D. Rs 28.46

Answer: A

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19. The distance between city A and city B is 217.352 km. A man travelling from city A to city B covers a distance of 108.178 km. How much more distance he has to cover?

A. 111.226km

B. 109.174 km

C. 109.147 km

D. 325.53km

Answer: B

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20. Beena bought 12 kg of sugar. After filling 11 containers of the same size, she had 3.2 kg left. How much sugar was there is 11 containers?

A. 0.5 kg

B. 0.6 kg

C. 0.7 kg

D. 8.8 kg

Answer: D

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