



MATHS

BOOKS - NAND LAL PUBLICATION

DECIMALS





2. Compare 4.95 and 4.908.



1. Write the following as numbers in the given

table.





2. Write the following as numbers in the given

table.



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



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

0.3

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



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

205.9

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7. Write each of the following as decimals.

Seven-tenths



9. Write each of the following as deimals:

Fourteen point six

10. Write each of the following as deimals:

One hundred and 2 ones



11. Write each of the following as decimals.

Six hundred point eight



13. Write each of the following as decimals,

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



14. Write each of the following as decimals, $200 + 60 + 5 + \frac{1}{10}$ Watch Video Solution

15. Write each of the following as decimals, $70 + \frac{8}{10}$





18. Write each of the following as decimals, 3 $\overline{2}$ Watch Video Solution 19. Write each of the following as decimals, $\frac{2}{5}$





22. Write each of the following as decimals,



23. Write the following decimnals as

fractions.Reduce the fractions to lowest form:

0.6.

24. Write the following decimnals as fractions.Reduce the fractions to lowest form:2.5



25. Write the following decimnals as fractions.Reduce the fractions to lowest form:

1.0



26. Write the following decimnals as fractions.Reduce the fractions to lowest form:3.8

27. Write the following decimnals as fractions.Reduce the fractions to lowest form: 13.7

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28. Write the following decimnals as fractions.Reduce the fractions to lowest form: 21.2Watch Video Solution 29. Write the following decimnals as fractions.Reduce the fractions to lowest form: 6.4.



31. Express the following as cm using decimals:

30 mm



33. Express the following as cm using decimals:

4cm 2 mm

34. Express the following as cm using decimals.

162 mm

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35. Express the following as cm using

decimals:

83 mm.

36. Between which two whole numbers on the number line are the given numbers?Which whole number is nearer the number?

0.8



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37. Between which two whole numbers on the number line are the given numbers?Which whole number is nearer the number?





2.6





39. Between which two whole numbers on the number line are the given numbers?Which whole number is nearer the number?

6.4





40. Between which two whole numbers on the number line, the given numbers lie? Which of these numbers is nearer the number?



4.9





42. Show the following decimal numbers onthe number line0.2

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43. Show the following numbers on the

number line

1.9

44. Show the following numbers on the

number line

1.1

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45. Show the following decimal numbers on the number line

2.5

46. Write the decimal number represented by

the points on the given number line:A,B,C,D.





47. The length of Ramesh's notebook is 9 cm 5

mm.What will be its length in cm?



48. The length of a young gram plant is 65

mm.Express its length in cm.



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

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2. Complete the table with the help of these

boxes and use decimals to write the number.

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3. Complete the table with the help of these

boxes and use decimals to write the number.

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	Ones	Tenths	Hundredths	Number
(a)				
(b)				
(c)				

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4. Write the numbers given in the following

place value table in decimal form

S.No.	Hundreds	Tens	Ones	Tenths	Hundredths	Thousands	Number formed
	100	10	1	1 10	1 100	<u>1</u> 1000	
(a)	0	0	3	2	5	0	→ 3.25
(b)	1	0	2	6	3	0	→ 102.63
(c)	0	3	0	0	2	5	→ 30.025
(d)	2	1	1	9	0	2	→ 211.902
(e)	0	1	2	2	4	1	→ 12.241

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

0.29



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

2.08

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

19.4



8. Write the following decimals in the place value table:

148.32

9. Write the following decimals in the place

value table:

200.812



10. Write each of the following as decimals:

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



13. Write each of the following as decimals: $700 + 20 + 5 + \frac{9}{100}$. **Watch Video Solution**

14. Write each of the following decimals in words:

0.03
15. Write each of the following decimals in words:1.20



16. Write each of the following decimals in

words:

108.56

17. Write each of the following decimals in words:

10.07



18. Write each of the following decimals in words:

0.032

19. Write each of the following decimals in

words:

5.008.

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20. Between which two whole numbers on the number line does each of the given number lie?Which point is nearer to the number?

2.

21. Write as fractions in lowest terms.

0.60



22. Write as fractions in lowest terms.

0.05

23. Wrtie as fractions in lowest terms:

0.75



24. Write as fractions in lowest terms:

0.18



25. Wrtie as fractions in lowest terms:

0.25



26. Wrtie as fractions in lowest terms:

0.125



27. Wrtie as fractions in lowest terms:

0.066



answer.

 $0.3 \mathrm{~or~} 0.4$

2. Which is greater?Give reason for your

answer.

 $0.07 \ \mathrm{or} \ 0.02$

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3. Which is greater?Give reason for your

answer.

3 or 0.8



5. Which is greater?Give reason for your answer.

1.23 or 1.2

6. Which is greater?Give reason for your

answer.

0.099 or 0.19



7. Which is greater?Give reason for your

answer.

1.5 or 1.50

8. Which is greater ?

1.431 or 1.490



9. Which is greater ?

3.3 or 3.300

10. Which is greater ?

5.64 or 5.603

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11. Which is greater?Give reason for your answer.

Make 5 more examples and find the greater

number from them.

12. Which is greater?Give reason for your answer.

Make 5 more examples and find the greater

number from them.



13. Which is greater?Give reason for your answer.

Make 5 more examples and find the greater number from them.

14. Which is greater ?

2.0 and 0.9



15. Which is greater

0.055 and 0.15

1. Express as Rupees using decimals:

5 paisa

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2. Express as Rupees using decimals:

75 paisa

3. Express as Rupees using decimals:

20 paisa.



4. Express as Rupees using decimals:

50 Rupees 90 paisa

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5. Express as Rupees using decimals:

725 paisa.



8. Express as m using decimals:

2m 45 cm



9. Express as m using decimals:

9 m 7cm

10. Express as m using decimals:

419 cm

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11. Express as cm using decimals:

5 mm

12. Express as cm using decimals:

60 mm

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13. Express as cm using decimals:

164 mm

14. Express as cm using decimals:

9 c m 8 mm

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15. Express as cm using decimals:

93 mm

16. Express as km.using decimals

8 m



17. Express as km.using decimals

88m



18. Express as km.using decimals

8888 m

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19. Express as km.using decimals

70 km 5 m

20. Express as Kg. using decimals:

2 g



21. Express as Kg. using decimals:

100 g



22. Express as Kg. using decimals:

3750 g

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23. Express as Kg. using decimals:

5 kg 8 g



1. Find the sum in each of the following :

0.007 + 8.5 + 30.08

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

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

6. Rashid spent Rs.35.75 for Maths book and Rs.32.60 for science book.Find the total amount spent by Rashid.



7. Radhika's mother gave her Rs 10.50 and her

father gave her Rs.15.80, find the total amount

given to Radhika by the parents.



8. Nasreen bought 3 m 20 cm cloth for her shirt and 2m 5 cm cloth bought for her trouser. find the total length of cloth bought by her.



9. 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?

10. Sunita travels 15 km 268 m by bus,7 km 7 m by car and 500 m by foot in order to reach her school.How far is her school from her residence ?

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11. Ravi purchased 5 kg 400 g rice,2 kg 20 g sugar and 10 kg 850 g atta.Find the total weight of his purachases.



1. Subtract:

Rs.18.25 from Rs. 20.75

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2. Subtract:

202.54 m from 250 m

3. Subtract:

Rs. 5.36 from Rs 8.40

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4. Subtract:

2.051 km from 5.206 km

5. Subtract:

0.314 kg from 2.107 kg.

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6. Find the value of :

9.756 - 6.28

7. Find the value of :

21.05 - 15.27

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8. Find the value of :

18.5 - 6.79



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 4m

50 cm length of cloth from this for making a

curtain.How much cloth is left with her?



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?



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?

Additional Questional For Practice

1. Answer the multiple choice questions.

The place value of 7 in 5.2071 is

A. 0.207 B. $\frac{7}{100}$ C. $\frac{7}{1000}$



2. Answer the multiple choice questions.

Which among the following decimals has greatest value?

A. 5.32

B. 5.23

C. 5.032



3. Answer the multiple choice questions.

The value of $\frac{7}{25}$ is

A. 2.8

B. 0.028

C. 0.28



4. Answer the multiple choice questions.

The fraction expression of 0.003 is

A.
$$\frac{3}{10}$$

B. $\frac{3}{100}$
C. $\frac{3}{1000}$





6. Answer the multiple choice questions.

- 3 m 7 cm is equal to
 - A. 3.07 m
 - B. 3.7 m
 - C. 0.37 m
 - D. None of these



7. Answer the multiple choice questions.

The decimal number lying between 5.3 and 5.33 is

A. 5.22

B. 5.318

C. 5.4



8. Answer the multiple choice questions.

100 g is equal to

A. 1 kg

B. 0.1 kg

C. 0.01 kg



9. Fill in the blank spaces.

The decimal point comes between ones place

and _____ place in decimal number.

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10. Fill in the blank spaces.

Place value of digit 8 in the decimal number

5.208	is	



11. Fill in the blank spaces.

Smallest 4 digit decimal number using the

digits 1, 2, 3, 4 is _____ .

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12. Fill in the blank spaces.

7.25 lis between the whole number 7 and ____ .



14. Fill in the blank spaces.

Every fraction with denominator 10,100, is

called a _____ fraction.





each part represents _____of the whole

square.

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16. The decimal number 4.05 is read as



17. Which of the following statements are true

or false?

Every decimal number cannot be represented on number line.

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18. Which of the following statements are true

or false?

Every fraction with denominator 10 can be

written as decimals.



19. Which of the following statements are true

or false?

If decimal number is multiplied by 100, decimal

moves two places to the right

20. Which of the following statements are true

or false?

80 km is equivalent to 0.08 m.



21. Which of the following statements are true

or false?

The value of
$$rac{16}{125}$$
 is 0.48

22. Which of the following statements are true

or false?

Two decimals can be subtracted only if they

have same number of decimal places.



23. Which of the following statements are true

or false?

If
$$\frac{4}{5}$$
 is equivalent to $\frac{x}{20}$ then value of x is 16.

24. Which of the following statements are true or false?

A fraction in which numerator is greater than

the denominator is called an improper

fraction

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25. Write the decimals in the place value chart.

71.85



26. Write the decimals in the place value chart.

86.02



27. Write the decimals in the place value chart.

1658.23

28. Write the decimals in the place value chart.

75.021



29. Convert the following unlike decimals to like decimals.

13.7, 3.721

30. Convert the following unlike decimals to

like decimals.

4.05, 29.131



31. Convert the following unlike decimals to like decimals.

1.451, 7.3, 34.28

32. Convert the following unlike decimals to like decimals.

4.3, 2.876, 17.0103

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33. Arrange the following

231.25, 2.8, 22.3, 276.518 in ascending order

34. Arrange the following

3.36, 3.66, 3.33, 3.3 in descending order.



35. Identify the decimal and whole number parts in the following decimals.

0.95

36. Identify the decimal and whole number parts in the following decimals.

2.31



37. Identify the decimal and whole number parts in the following decimals.

36.973

38. Identify the decimal and whole number

parts in the following decimals.

1257.07



39. Write the number of decimal places in the

following

2367.579

40. Write the number of decimal places in the

following

0.47

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41. Write the number of decimal places in the

following

0.0072

42. Write the number of decimal places in the

following

9.2



43. How much is the difference of 235.42 and

265.604 less then their sum?



44. What should be added to the difference of

6.34 and 3.173 to get 9?

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45. What needs to be subtracted from the sum

of 12.86 and 27.02 to get 30.



46. In the following APs, find the missing terms

in the boxes :- \Box , 38, \Box , \Box , \Box , -22 .

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47. Decimals are used to represent a 'part of a whole' so their value should be less than 1. Give reason.

48. Take a decimal with last 3 digits. The digit at the tenths place is one less than the digit in hundredths place and 3 less than the other digit. What is the smaller decimal obtained?

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Sample Paper For Practice

1. Answer the multiple choice questions :

Five and seven hundredth is equal to

A. 5.7

B. 5.07

C. 5.70

D. None of these

Answer: B

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2. Answer the multiple choice questions :

The decimal number not equivalent to 6.7 is

A. 6.70

B. 6.07

C. 6.7000

D. None of these

Answer: B

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3. Answer the multiple choice questions :

The place of 2 in 3.825 is

A. tenths

B. hundredths

C. thousandths

D. None of these

Answer: B

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4. Answer the multiple choice questions :

The number which is added to 0.765 gives 1 is

A. 0.253

B. 0.235

C. 0.325

D. None of these

Answer: B

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5. Answer the multiple choice questions :

1g is equal to

A. 0.01 kg

B. 0.001 kg

C. 0.0001 kg

D. None of these

Answer: B

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6. Answer the multiple choice questions :

0.6499 lies between
A. 0.6 and 0.64

B. 0.65 and 0.69

C. 0.649 and 0.65

D. None of these

Answer: C

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7. Correct the following statements.

5m 5 cm is equal to 5.5 m.



8. Correct the following statements.

Decimal numberr having 2 decimal places can

be written as a fraction with denominator

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9. Correct the following statements.

Like decimals have different number of decimal places.



10. Correct the following statements.

Adding zeroes to the extreme right side of the

decimal changes its value.



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11. Correct the following statements.

6.05 is expressed in lowest form.

12. Correct the following statements.

2.092 is greater than 2.29

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13. Fill in the blank spaces.

0.06 + 0.05 is equal to _____ .

14. Fill in the blank spaces.

2 hundredths + 4 tenths + 9 thousandthhs =





number _____.

16. Fill in the blank spaces.

Smallest decimal number upto three decimal

places is _____.

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17. Fill in the blank spaces.

If an object is divided in 1000 equal parts, then

36 parts are represented as _____

18. Fill in the blank spaces.

Two decimal numbers having different number

of _____ are called unlike decimals.

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19. Answer the following :

Which is greater 32.770 or 32.077?

20. Answer the following :

How many metres make one kilometre?



22. Answer the following :

Can unlike decimals be equivalent? Give example.



23. Answer the following :

What is the multiplying factor as we go to the

right of decimal in the place value table?

24. Answer the following :

Write the mixed fraction for 23.2.



25. What needs to be subtracted from the sum

of 23.94 and 28.03 to get 40?

26. Write a decimal number using 3 decimal places such that the sum of first composite numbers and its successor given the tenths digit and one third of sum obtained gives the hundredths digit.

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27. Write the decimals for the following by changing the denominators to 10,100 and

1000.

11/500



28. Write the decimals for the following by changing the denominators to 10,100 and 1000.

39/125

29. Write the decimals for the following by changing the denominators to 10,100 and 1000.

21/2

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30. Difference of two numbers is 33.7. If the

smaller number is 67.9, find the bigger number.

31. Write four decimal numbers between 4.73

and 4.74 in order from smallest to greatest.





1. Can you write the following as decimals?

Hundreds	Tens	Ones	Tenths
(100)	(10)	(1)	$\left(\frac{1}{10}\right)$
5	3	8	1
2	7	3	4
3	5	4	6



2. Write the length of Ravi's and Raju's pencil in 'cm' using decimals.

Length of Ravi's pencil = 7 cm 5 mm

Length of Raju's pecil = 8 cm 3 mm



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3. Fill in the blanks

245g=__kg

4. Length of Ankit's rope is 14 cm 7 mm and that of Archit's rope is 29 cm 5 mm. Express these lengths in cm using decimals.

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5. Write five numbers between 0 and 1 and

show them on the number line.

6. Write $\frac{3}{2}, \frac{4}{5}, \frac{8}{5}$ in decimal notation.

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7. Write 2 rupees 5 paise nd 2 rupees 50 paise

in decimals?



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11. Can you now write 52m as km using decimals.How will you write 340 m as km using decimals?How will you write 2008 m in km?

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12. Can you now write 456 g as kg using

decimals?



13. How will you write 2 kg 9 g in kg using decimals?