MATHS

NCERT - NCERT MATHEMATICS(ENGLISH)

DECIMALS

Exercise 8 2

1. Write the following decimals in the place value table.(a) 0.29 (b) 2.08 (c) 19.60 (d)

148.32   (e) 200.812

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2. Write the numbers given in the following place value table in decimal form.

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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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4. 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

5. 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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6. Write each of the following decimals in words.(a) 0.03   (b) 1.20   (c) 108.56   (d) 10.07   (e) 0.032   (f) 5.008

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7. Write each of the following as decimals.

(a) $20 + 9 + \dfrac{4}{10} + \dfrac{1}{100}$

(b) $137 + \dfrac{5}{100}$

(c) $\dfrac{7}{10} + \dfrac{6}{100} + \dfrac{4}{1000}$

(d) $23 + \dfrac{2}{10} + \dfrac{6}{1000}$

(e) $700 + 20 + 5 + \dfrac{9}{100}$

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Solved Examples

1. Write each of the following as decimals : (a) Two ones and five-tenths (b) Thirty and one-tenth

2. Rahul bought 4 kg 90 g of apples, 2 kg 60 g of grapes and 5 kg 300 g of mangoes. Find the total weight of all the fruits he bought

3. Abhishek had Rs 7.45. He bought toffees for Rs 5.30. Find thebalance amount left with Abhishek.

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4. Lata spent Rs 9.50 for buying a pen and Rs 2.50 for one pencil.How much money did she spend?

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5. Samson travelled 5 km 52 m by bus, 2 km 265 m by car and therest 1km 30 m he walked. How much distance did he travel in all?

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6. Urmila's school is at a distance of 5 km 350 m from her house.She travels 1 km 70 m on foot and the rest by bus. How much distance does she travel by bus?

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7. Kanchan bought a watermelon weighing 5 kg 200 g. Out of this she gave 2 kg 750 g to her neighbour. What is the weight of the watermelon left with Kanchan?

8. Write each of the following as a decimal .

(a) $200 + 30 + 5 + \dfrac{2}{10} + \dfrac{9}{10}$

(b) $50 + \dfrac{1}{10} + \dfrac{6}{100}$

(c) $16 + \dfrac{3}{10} + \dfrac{5}{1000}$

9. Write as fractions in lowest terms.

(a) 0.04   (b) 2.34   (c) 0.342

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10. Write each of the following as a decimal.

(a) Three hundred six and seven-hundredths

(b) Eleven point two three five

(c) Nine and twenty five thousandths

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11. Write the following numbers in the place value table :

(a) 20.5

(b) 4.2

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12. Write each of the following as decimal :

(a) $30 + 6 + \dfrac{2}{10}$
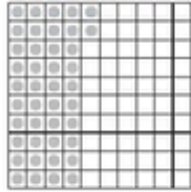
(b) $600 + 2 + \dfrac{8}{10}$

13. Which is greater ?

(a) 1 or 0.99
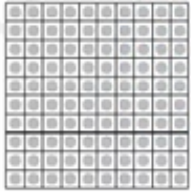
(b) 1.09 or 1.093

14. a) Fill the blanks in the table and write the corresponding number indecimal form using 'block' information given below:

Ones (1)	Tenths $(\frac{1}{10})$	Hundredths $(\frac{1}{100})$

b) Given the place value,write the number in decimal number:

Hundreds (100)	Tens (10)	Ones (1)	Tenths $(\frac{1}{10})$	Hundredths $(\frac{1}{100})$
2	4	3	2	5

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15. Fill the blanks in the table using 'block' information given belowand write the corresponding number in decimal form

16. Write as decimals . (a) $\dfrac{4}{5}$ (b) $\dfrac{3}{4}$ (c) $\dfrac{7}{1000}$

17. Given the place value table, write the number in decimal form.

1. Rani had Rs 18.50. She bought one ice-cream for Rs 11.75. How much money does she have now?

2. Tina had 20 m 5 cm long cloth. She cuts 4 m 50 cm lengthof cloth from this for making a curtain. How much cloth is left with her?

3. 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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4. Namita travels 20 km 50 m every day. Out of this she travels10 km 200 m by bus and the

rest by auto. How much distance does she travel by auto?

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5. 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?

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6. Find the value of :

(a) $9.756 - 6.28$

(b) $21.05 - 15.27$

(c) $18.05 - 6.79$

(d) $11.6 - 9.847$

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7. 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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Exercise 8 1

1. Show the following numbers on the number line.

(a) 0.2   (b) 1.9   (c) 1.1   (d) 2.5

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2. Write the decimal number represented by the points A, B, C, D on the given number line.

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

(a) 19.4   (b) 0.3   (c) 10.6   (d) 205.9

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4. Write each of the following as decimals :

(a) Seven-tenths

(b) Two tens and nine-tenths

(c) Fourteen point six

(d) One hundred and two ones

(e) Six hundred point eight

5. Write each of the following as decimals: (a) $\dfrac{1}{10}$ (b) $3 + \dfrac{7}{10}$ (c) $200 + 60 + 5 + 110$ (d)

$70 + \dfrac{8}{10}$ (e) $\dfrac{88}{10}$ (f) $(4)\dfrac{2}{10}$ (g) $\dfrac{3}{2}$ (h) $\dfrac{2}{5}$ (i) $\dfrac{12}{5}$ (j) $(3)\dfrac{3}{5}$ (k) $(4)\dfrac{1}{2}$

6. Write the following decimals as fractions. Reduce the fractions to lowest form.(a) 0.6 (b) 2.5 (c) 1.0 (d) 3.8 (e) 13.7 (f) 21.2 (g) 6.4

7. (a) The length of Ramesh's notebook is 9 cm 5 mm. What will be its length in cm?

(b) The length of a young gram plant is 65 mm. Express its length in cm.

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

(a) 20.5

(b) 4.2

9. Express the following as cm using decimals.

(a) 2 mm

(b) 30 mm

(c) 116 mm

(d) 4 cm 2 mm

(e) 162 mm

(f) 83 mm

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

(a) 0.8   (b) 5.1   (c) 2.6   (d) 6.4   (e) 9.1   (f) 4.9

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Exercise 8 5

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

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

3. 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?

4. Rashid spent Rs 35.75 for Maths book and Rs 32.60 for Science book. Find the total amount spent by Rashid.

5. 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.

6. Find the sum in each of the following : (a) $0007 + 85 + 3008$ (b) $15 + 0632 + 138$ (c) $27076 + 055 + 0004$ (d) $2565 + 9005 + 37$ (e) $075 + 10425 + 2$ (f) $28069 + 252 + 38$

1. 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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2. Express as cm using decimals.

(a) 5 mm

(b) 60 mm

(c) 164 mm

(d) 9 cm 8 mm

(e) 93 mm

3. Express as metres using decimals.(a) 15 cm (b) 6 cm (c) 2 m 45 cm(d) 9 m 7

cm   (e) 419 cm

4. Express as kg using decimals.(a) 2

g   (b) 100 g   (c) 3750 g(d) 5

kg 8 g   (e) 26 kg 50 g

5. Express as km using decimals.

(a) 8 m

(b) 88 m

(c) 8888 m

(d) 70 km 5 m

Exercise 8 3

1. 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

2. Make five examples of comparison of decimal number and find the greater number from them.