

Worksheet 1

- Write the expanded form of 57812.9034.
 - Write the place value of 5 in 268.015.
 - Write the following in ascending order.
512.98; 3000.9; 1094.003; 99.9
- Convert the following fractions into decimals.
 - $\frac{9}{10}$
 - $\frac{258}{100}$
 - $\frac{7314}{1000}$
 - $8\frac{1}{10}$
 - $9\frac{16}{1000}$
 - $\frac{13}{50}$
 - $\frac{5}{125}$
 - $\frac{18}{4}$
- Convert the following decimals into fractions in the simplest form.
 - 0.25
 - 8.7
 - 35.47
- Solve the following.
 - $13.2 + 189 + 6.0043$
 - $189.25 - 96.87$
 - 7329.1×204
 - 12.8×2.3
 - $1.6 \div 4$
 - $8.16 \div 32$
 - $15.96 \div 4.56$
- If 37.65 kg of potatoes is to be distributed among 30 people, how many kg will each person get?
 - If the weight of 1 bicycle is 12.750 kg, what will be the weight of 5 bicycles?
- Write the following numbers in figures.
 - Seven point nine
 - Zero point zero zero one
 - Two thousand four hundred thirty-five point three seven nine one
- Write the place value of each digit in 4678.2519.
- Write the expanded form of the following.
 - 293.587
 - 1.8295
- Write the numbers from the following expanded forms.
 - $2000 + 500 + 70 + 9 + \frac{3}{10} + \frac{6}{100} + \frac{1}{1000}$
 - $700 + 1 + \frac{5}{10} + \frac{3}{100} + \frac{2}{1000}$
- Which of the following options have equivalent decimals?
 - 3.25; 3.250; 3.2500
 - 54.3; 5.43; 0.543
 - 236.87; 236.870; 236.8700
- Convert the following unlike decimals to like decimals.
 - 2.546; 254.6; 28.93
 - 9.637; 14.29; 567.8
- Write $>$, $<$ or $=$ in the blanks.
 - 62.91 _____ 78.3
 - 478.9 _____ 47.89
 - 258.9 _____ 258.900
 - 712.35 _____ 712.9
- Write in ascending order.
49.673; 25.9; 739.1; 7.8; 49.8
- Write in descending order.
3.569; 99.9; 346.1; 77.9; 629.7
- Convert the following fractions into decimals.
 - $\frac{7}{10}$
 - $\frac{53}{10}$
 - $\frac{1739}{10}$
 - $\frac{3}{100}$
 - $\frac{567}{100}$
 - $\frac{3169}{1000}$
 - $\frac{4278}{10000}$
 - $3\frac{2}{10}$
 - $73\frac{12}{100}$
 - $98\frac{3}{1000}$

16. Convert the following decimals into fractions in the simplest form.

- a. 0.8 b. 2.5 c. 3.94 d. 467.852 e. 0.35 f. 1358.2

17. Convert the following fractions into decimals by converting the denominators into 10, 100 or 1000.

- a. $\frac{5}{2}$ b. $\frac{4}{5}$ c. $\frac{13}{20}$ d. $\frac{14}{25}$ e. $\frac{7}{40}$
f. $\frac{3}{50}$ g. $\frac{127}{500}$ h. $\frac{35}{250}$ i. $\frac{23}{125}$

18. Convert the following fractions into decimals using the division method.

- a. $\frac{3}{4}$ b. $\frac{7}{5}$ c. $\frac{4}{8}$ d. $\frac{9}{12}$

19. Solve the following.

- a. $5.876 + 1.243$ b. $4.285 + 35.73$ c. $694.58 + 2.6713$ d. $12.9 + 0.0001 + 396$

20. Solve the following.

- a. $15.8 - 2.9$ b. $763.91 - 18.4$ c. $592 - 63.74$ d. $278.4 - 58.261$

21. Neeraj painted 35.5 metres of a wall in one day and 42.5 metres of the wall the next day. What length of the wall did Neeraj paint in these two days?

22. Rita has ₹529.75. She spent ₹93.25 out of it. Her mother gave her ₹305.25 more. How much money does Rita have now?

23. Multiply 294.8 by 10, 100, 1000 and 10000 respectively.

24. Fill in the blanks.

- a. $3.97 \times \underline{\hspace{2cm}} = 39.7$ b. $48.172 \times \underline{\hspace{2cm}} = 4817.2$
c. $9.3 \times \underline{\hspace{2cm}} = 930$ d. $8.4751 \times \underline{\hspace{2cm}} = 84751$

25. If one book costs ₹125.75, what will be the cost of 1000 such books?

26. Solve the following.

- a. 5.37×4 b. 26.58×7 c. 58.96×25 d. 876.04×82

27. If 1 box weighs 5.375 kg, what will be the weight of 12 such boxes?

28. Solve the following.

- a. 27.2×9.5 b. 183.56×2.4 c. 28.0043×0.539 d. $11.43 \times 2.9 \times 4.6$

29. Divide 9276.8 by 10, 100, 1000 and 10000 respectively.

30. Fill in the blanks.

- a. $63.9 \div \underline{\hspace{2cm}} = 6.39$ b. $428.1 \div \underline{\hspace{2cm}} = 4.281$
c. $563.7 \div \underline{\hspace{2cm}} = 0.5637$ d. $8291.5 \div \underline{\hspace{2cm}} = 0.82915$

31. Solve the following.

- a. $12.4 \div 4$ b. $51.75 \div 9$ c. $138.6 \div 8$ d. $231.75 \div 9$ e. $11304.5 \div 230$

32. Solve the following.

- a. $3.6 \div 1.2$ b. $15.75 \div 6.3$ c. $1617.92 \div 63.2$ d. $0.00024 \div 0.004$ e. $0.6072 \div 0.048$

Worksheet 2

1. Read the following place value chart and fill up the table. The first one has been done for you.

Sl. No	Thousands (1000)	Hundreds (100)	Tens (10)	Ones (1)	Tenths ($\frac{1}{10}$)	Hundredths ($\frac{1}{100}$)	Thousandths ($\frac{1}{1000}$)	Number
1	0	3	4	5	0	6	8	345.068
2	4	7	9	5	3	4	8	
3								356.76
4	6	0		4	2			608.258
5								325.003

2. Write whether the following decimal numbers are like or unlike decimals.
- a. 4.56, 15.95, 580.54 _____ b. 3.1, 52.43, 435.968 _____
- c. 0.31, 1.14, 53.45 _____ d. 32.76, 76.7, 9.865 _____
3. Convert the following fractions into decimals.
- a. $\frac{4}{8}$ b. $\frac{3}{6}$ c. $\frac{5}{10}$ d. $\frac{14}{100}$ e. $\frac{12}{50}$ f. $\frac{1}{200}$
4. Convert the following decimals into fractions.
- a. 0.4 b. 2.9 c. 5.25 d. 1.599 e. 7.24 f. 4.76
5. Arrange the following in ascending order.
- a. 4.26, 0.4, 46.2, 42.01, 4.62, 462, 0.462
- b. 53.7, 35.7, 0.537, 0.53, 5.7, 3.57, 3.75
6. Arrange the following in descending order.
- a. 6.75, 127.5, 51.37, 13.75, 1.375, 15.73 b. 0.02, 0.2, 1, 1.2, 0.211, 0.088, 0.75
7. Solve the following.
- a. $38.93 + 43.12$ b. $25.55 + 38.7$ c. $71.82 - 55.17$ d. $41.5 - 39.48$
8. a. Prateek drives 13.2 km, 22.2 km, 11.4 km and 7.5 km respectively on four consecutive days. How many kilometres did he drive during these four days?
- b. A relay race was 33.03 kilometres in all. If a runner runs 16.93 kilometres, how far did the other runner run?
9. If a car travels 175.50 km in 100 minutes, how far does it travel in 1 minute?
10. One bag of potatoes weighs 7.45 kg. What will be the weight of 7.5 such bags?

Learning Zone

Follow the following steps to order a set of decimals from largest to smallest by place value:

1. Organise the numbers with the decimal points lined up.
2. Compare the digits in columns from left to right.
3. If the digits are the same, move to the next column until a digit is larger.
4. This is the largest number in the set.
5. Repeat steps 2 and 3 until all the numbers are in order, largest to smallest.

Example

Order the numbers 3.45, 3.25, 3.42, 3.07 and 3.27 from smallest to largest.

3.45 Largest number; larger than 3.42 as 5 hundredths $>$ 2 hundredths

3.25 4th largest

3.42 2nd largest

3.07 Smallest number

3.27 3rd largest; larger than 3.25 as 7 hundredths $>$ 5 hundredths

3.07 3.25, 3.27, 3.42, 3.45