

WORKSHEET –SECOND UNIT TEST (2011-2012)
STD. V
MATHEMATICS

Lesson 5 - Decimals

Fill in the blanks

1. Decimal fractions having equal number of decimal places are called _____ decimal fractions.
2. Decimal fractions having unequal number of decimal places are called _____ decimal fractions.
3. Decimal fractions having equal values are called _____ decimal fractions.
4. 5.38, 6.95, 4.83 are _____ decimals.
5. 7.3, 1.25, 6.395 are _____ decimals.
6. $3.5 = 3.50 =$ _____.
7. In 12.25, the integral part (whole no. part) is _____ and the decimal part is _____.

Do as directed

1. **Encircle the decimal fractions :**

$$\frac{2}{10}, \quad \frac{3}{7}, \quad \frac{15}{100}, \quad \frac{4}{1000}, \quad \frac{13}{11}, \quad \frac{45}{53}, \quad \frac{7}{100}$$

2. Write the following as decimals :

1. $\frac{3}{10,}$ 2. $\frac{15}{100,}$ 3. $\frac{436}{1000,}$ 4. $\frac{9}{100,}$
5. $\frac{43}{1000,}$ 6. $\frac{7}{10,}$ 7. $\frac{8}{1000,}$ 8. $\frac{349}{10,}$

3. Write the following mixed numbers as decimal :

1. $2\frac{3}{10,}$ 2. $15\frac{33}{100,}$ 3. $214\frac{5}{100,}$ 4. $6\frac{231}{1000,}$
5. $6\frac{11}{100,}$ 6. $3\frac{4}{10,}$ 7. $16\frac{25}{1000,}$ 8. $36\frac{4}{100,}$

4. Write the following decimals as mixed numbers :

1. 3.65 2. 15.003 3. 6.048
4. 4.09 5. 25.015 6. 6.39

5. Write the place value of the underlined digits :

1. 13.385 2. 6.039 3. 57.713
4. 143.84 5. 6.009 6. 42.906

6. Put the correct symbol <, > or = :

1. 3.75 37.5 2. 12.289 12.045
2. 9.357 9.53 4. 18.93 20
3. $5\frac{7}{100,}$ $5\frac{7}{10,}$ 6. 9.03 $9\frac{3}{100,}$

7. Arrange in columns and add :

A.1. $13.26 + 135.78$

2. $16.8 + 0.85$

3. $46.375 + 18.283 + 0.3954$

4. $15.25 + 9 + 8.25$

B.1. $\text{₹ } 38.5 + \text{₹ } 15.75$

2. $0.075 \text{ l} + 25 \text{ l}$

3. $0.95 \text{ m} + 16.85 \text{ m}$

4. $132 \text{ m} + 0.85 \text{ m}$

5. $50.75 \text{ kg} + 3.785 \text{ kg}$

6. $25 \text{ km} + 5.257 \text{ km}$

8. Subtract the following :

1. $\text{₹ } 58 - \text{₹ } 6.75$

2. $385.28 \text{ kg} - 365 \text{ kg}$

3. $\text{₹ } 20 - \text{₹ } 15.75$

4. $59.945 \text{ kg} - 5.9 \text{ kg}$

5. $2 \text{ km} - 1.375 \text{ km}$

6. $48 \text{ kg} - 13.475 \text{ kg}$

9. Convert into like decimals :

1. 3.5 , 6.95
 2. 18.753, 16.2
 3. 500.008, 92.3
 4. 9.09, 9.9
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Unit 4 - Fractions

I Fill in the blanks :

1. $\frac{2}{5} \times 1 = \underline{\hspace{2cm}}$
2. $\frac{3}{7} \times 0 = \underline{\hspace{2cm}}$
3. $\frac{1}{2} \times \frac{3}{7} = \frac{3}{7} \times \underline{\hspace{2cm}}$
4. $\underline{\hspace{2cm}} \times \frac{2}{9} = 0$
5. $\frac{2}{3} \times \frac{3}{2} = \underline{\hspace{2cm}}$
6. If the product of two numbers is 1, then one number is called the of the other number.
7. $6 \times \underline{\hspace{2cm}} = 1$
8. $\underline{\hspace{2cm}} \times \frac{5}{7} = 1$
9. Multiplicative inverse of does not exist.
10. The number whose reciprocal is number itself is .
11. $\frac{4}{9} \div \underline{\hspace{2cm}} = \frac{4}{9}$
12. $\frac{6}{7} \div \frac{6}{7} = \underline{\hspace{2cm}}$
13. $\underline{\hspace{2cm}} \div 1 = \frac{8}{9}$
14. $0 \div \frac{6}{10} = \underline{\hspace{2cm}}$
15. $1 \div \frac{13}{15} = \underline{\hspace{2cm}}$
16. We cannot divide a fraction by

17. $\frac{15}{16} \div 1 = \underline{\hspace{2cm}}$
18. $1 \div \frac{9}{10} = \underline{\hspace{2cm}}$
19. $4\frac{3}{5} \div \frac{23}{5} = \underline{\hspace{2cm}}$
20. Multiplicative inverse of 5 is $\underline{\hspace{2cm}}$
21. Multiplicative inverse of $\frac{4}{5}$ is $\underline{\hspace{2cm}}$

II. Simplify

- a) $\frac{3}{5} \times 12$ b) $10 \times \frac{12}{15}$ c) $3\frac{1}{3} \times 15$ d) $\frac{9}{10} \times \frac{25}{27}$ e) $\frac{13}{2} \times \frac{6}{26}$
- f) $\frac{9}{16} \times 24$ g) $\frac{2}{3} \times \frac{6}{9} \times \frac{12}{15}$ h) $\frac{4}{7} \times \frac{14}{21} \times \frac{3}{4}$ i) $16 \times 3\frac{3}{4}$ j) $\frac{9}{16} \times 24$
- k) $25 \times \frac{20}{30}$ l) $\frac{12}{16} \times \frac{20}{25} \times \frac{5}{10}$ m) $\frac{2}{4} \times \frac{8}{10} \times \frac{7}{21}$

III. Simplify

- a) $2 \div \frac{7}{8}$ b) $12 \div \frac{16}{20}$ c) $\frac{9}{15} \div \frac{1}{27}$ d) $\frac{5}{12} \div 3\frac{2}{6}$
- e) $1\frac{1}{2} \div \frac{3}{9}$ f) $\frac{6}{15} \div 3$ g) $\frac{4}{5} \div \frac{2}{5}$ h) $\frac{3}{5} \div \frac{5}{5}$
- i) $\frac{1}{7} \div \frac{2}{6}$

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