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 :

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

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. 13.3<u>8</u>5 2. 6.03<u>9</u> 3. 57.7<u>1</u>3

4. 143.<u>8</u>4 5. 6.00<u>9</u> 6. 42.9<u>0</u>6

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. <u>Arrange in columns and add :</u>

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. ₹ 38.5 + ₹ 15.75

2. 0.075 l + 25 l

3. 0.95 m + 16.85 m

4. 132 m + 0.85 m

5. 50.75 kg + 3.785 kg

6. 25 km + 5.257 km

8. <u>Subtract the following</u> :

1. ₹ 58 - ₹ 6.75

2. 385.28 kg - 365 kg

3. ₹ 20 - ₹ 15.75

4. 59.945 kg - 5.9 kg

5. 2 km - 1.375 km

6. 48 kg - 13.475 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

Unit 4 - Fractions

I Fill in the blanks :

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

17. $\frac{15}{16} \div 1 =$ _____

18. $1 \div \frac{9}{10} =$ _____

19. $4\frac{3}{5} \div \frac{23}{5} =$ _____

20. Multiplicative inverse of 5 is _____

21. Multiplicative inverse of $\frac{4}{5}$ is _____

II. Simplify

a) $\frac{3}{5}$ x 12 b) 10 x $\frac{12}{15}$ c) $3\frac{1}{3}$ x 15 d) $\frac{9}{10}$ x $\frac{25}{27}$ e) $\frac{13}{2}$ x $\frac{6}{26}$

f) $\frac{9}{16}$ x 24 g) $\frac{2}{3}$ x $\frac{6}{9}$ x $\frac{12}{15}$ h) $\frac{4}{7}$ x $\frac{14}{21}$ x $\frac{3}{}$ i) 16 x $3\frac{3}{4}$ j) $\frac{9}{16}$ x 24

k) 25 x $\frac{20}{30}$ l) $\frac{12}{16}$ x $\frac{20}{25}$ x $\frac{5}{10}$ m) $\frac{2}{4}$ x $\frac{8}{10}$ x $\frac{7}{21}$

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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