EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Fractions, Decimals and Rational Numbers

Grade : SSC Grade VII

1. 5.8 × _____ = 147.9

   (i) 26.5 (ii) 25.5 (iii) 24.5 (iv) 23.5 (v) 27.5

2. Which of the following is true?

   (i) $14\frac{5}{7}-4\frac{2}{19}=18\frac{109}{133}$ (ii) $33\frac{1}{6}+32\frac{7}{11}=65\frac{53}{66}$ (iii) $15\frac{15}{19}\div11\frac{1}{6}=176\frac{6}{19}$ (iv) $13\frac{1}{4}-6\frac{2}{11}=19\frac{19}{44}$

   (v) $33\frac{1}{3}\div31\frac{3}{10}=1043\frac{1}{3}$

3. 14.6273 × _____ = -137.6063

   (i) -10.4075 (ii) -7.4075 (iii) -9.4075 (iv) -11.4075 (v) -8.4075

4. "four tenths" is how much?

   (i) $2+\frac{5}{10}$ (ii) 40 (iii) 4 (iv) $\frac{4}{100}$ (v) $\frac{4}{10}$

5. The decimal number -1.507 lies between

   (i) {-1,0} (ii) {-3,-2} (iii) {-2,-1} (iv) {0,1} (v) {-4,-3}

6. Write the decimal number 269.520 in words

   (i) two hundred and sixty nine point five two zero (ii) two hundred and sixty nine point zero five two zero

   (iii) two hundred and seventy nine point five two zero (iv) two hundred and sixty nine point zero zero five two

   (v) two hundred and seventy point five two zero

7. Which of the following is true?

   (i) $0.0008\times0.0007=1.1429$ (ii) $0.0002-1.0000=1.0002$ (iii) $0.0008\div0.0001=8.0000$

   (iv) $0.0008\times0.0003=2.6667$ (v) $0.0003\div0.0002=0.00000006$

8. Express $\frac{1}{4}$ as a decimal correct to 2 decimal places

   (i) 0.25 (ii) 0.15 (iii) 0.45 (iv) 0.05 (v) 0.35

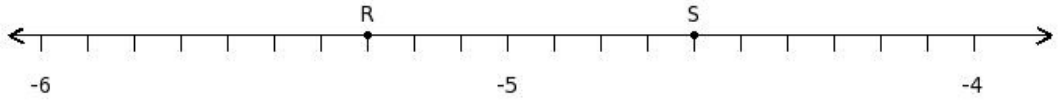
9. The additive inverse of $(\frac{-1}{4})$ is

   (i) $\frac{4}{1}$ (ii) $(\frac{-3}{4})$ (iii) 0 (iv) $\frac{4}{-1}$ (v) $\frac{1}{4}$

10. Multiply 4.06 with 10

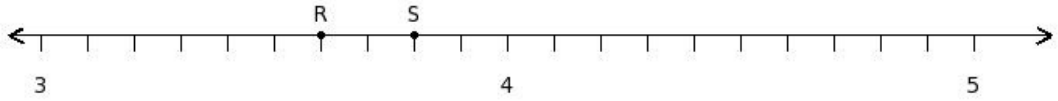
    (i) 4.06 (ii) 0.406 (iii) 406 (iv) 40.6 (v) 4060

11. Find the difference of the rational numbers at the points labelled with letters R and S



(i) $(\frac{-1}{2})$ (ii) $(\frac{-7}{8})$ (iii) $(\frac{-7}{10})$ (iv) $(\frac{-9}{10})$ (v) $(\frac{-7}{12})$

12. Find the difference of the rational numbers at the points labelled with letters R and S



(i) $(\frac{-1}{7})$ (ii) $(\frac{-3}{5})$ (iii) $\frac{1}{5}$ (iv) $(\frac{-1}{5})$ (v) $(\frac{-1}{3})$

13. Express $\frac{63}{100}$ as a decimal correct to 2 decimal places

(i) 0.06 (ii) 0.63 (iii) 0.73 (iv) 6.3 (v) 0.43

14. Expand the decimal number 697.18

(i) $60+9+\frac{7}{10}+\frac{1}{100}+\frac{8}{1000}$ (ii) $6+\frac{9}{10}+\frac{7}{100}+\frac{1}{1000}+\frac{8}{10000}$ (iii) $600+90+7+\frac{1}{10}+\frac{8}{100}$

(iv) $600+90+7+\frac{1}{1000}+\frac{8}{10000}$ (v) $600+90+7+\frac{1}{100}+\frac{8}{1000}$

15. "eight hundredths and three thousandths" is how much?

(i) $\frac{8}{100}+\frac{3}{1000}$ (ii) $8+\frac{3}{10}$ (iii) $\frac{8}{1000}+\frac{3}{10000}$ (iv) $10+2+\frac{4}{100}+\frac{8}{1000}+\frac{2}{10000}$ (v) $\frac{8}{10}+\frac{3}{100}$

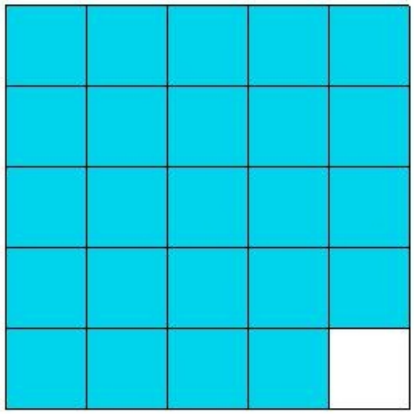
16. Find the missing value in $\frac{13}{8}+\_\_\_\_\_=\frac{313}{104}$

(i) $\frac{16}{13}$ (ii) $\frac{18}{11}$ (iii) $\frac{6}{5}$ (iv) $\frac{20}{13}$ (v) $\frac{18}{13}$

17. $8 \div \frac{7}{10} =$ _____

(i) $\frac{82}{7}$ (ii) $\frac{80}{9}$ (iii) $\frac{80}{7}$ (iv) $\frac{78}{7}$ (v) 16

18. What fraction of the figure is shaded?



(i) $\frac{26}{25}$ (ii) $\frac{24}{23}$ (iii) $\frac{8}{9}$ (iv) $\frac{24}{25}$ (v) $\frac{22}{25}$

19. 44.6451 + _____ = 89.1448

(i) 43.4997 (ii) 46.4997 (iii) 45.4997 (iv) 44.4997 (v) 42.4997

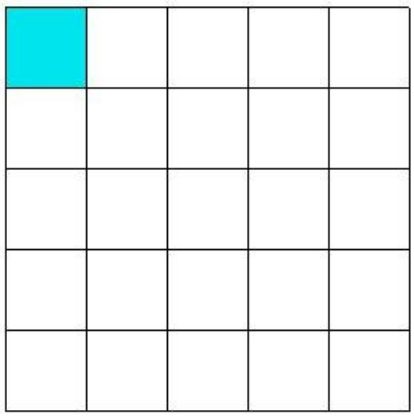
20. Express $\frac{903}{1000}$ as a decimal correct to 3 decimal places

(i) 0.09 (ii) 0.903 (iii) 0.703 (iv) 1.003 (v) 9.03

21. The value of 92.6 − 98.7 is

(i) -6.300 (ii) -6.000 (iii) -6.200 (iv) -5.900 (v) -6.100

22. What fraction of the figure is shaded?



(i) $\frac{1}{27}$ (ii) $\frac{1}{23}$ (iii) $\frac{1}{25}$ (iv) $(\frac{-1}{25})$ (v) $\frac{3}{25}$

23. $\frac{15}{7} \div 15 =$ _____

(i) $\frac{1}{9}$ (ii) $\frac{1}{7}$ (iii) $\frac{1}{5}$ (iv) $(\frac{-1}{7})$ (v) $\frac{3}{7}$

24. The multiplicative inverse of $\frac{9}{4}$ is

(i) $(\frac{-5}{9})$ (ii) $1\frac{4}{9}$ (iii) $2\frac{4}{9}$ (iv) $\frac{4}{9}$ (v) $(-1\frac{5}{9})$

25. Identify the proper fraction

(i) $26\frac{1}{2}$ (ii) $\frac{15}{8}$ (iii) $\frac{17}{15}$ (iv) $\frac{6}{14}$ (v) $17\frac{2}{11}$

Assignment Key

1) (ii)	2) (ii)	3) (iii)	4) (v)	5) (iii)	6) (i)
7) (iii)	8) (i)	9) (v)	10) (iv)	11) (iii)	12) (iv)
13) (ii)	14) (iii)	15) (i)	16) (v)	17) (iii)	18) (iv)
19) (iv)	20) (ii)	21) (v)	22) (iii)	23) (ii)	24) (iv)
25) (iv)					