MATHS

NCERT - NCERT MATHS(TELUGU)

FRACTION AND DECIMALS

Exercise

1. How will you represent the following pictorially : - $\frac{3}{4}$

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2. How will you represent the following pictorially : - $\frac{2}{8}$

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3. How will you represent the following pictorially : - $\frac{1}{3}$

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4. How will you represent the following pictorially : - $\frac{5}{8}$

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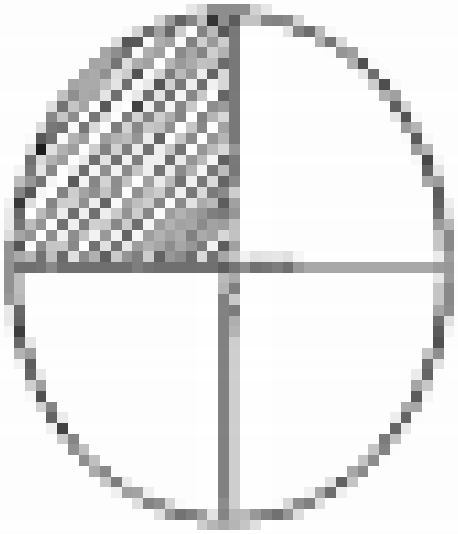
5. Write the fraction representing the shaded region.

i.



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6. Write 5 proper fractions and draw them pictorially

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7. Represent the following fractions pictorially

$-\frac{7}{4}$

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8. Represent the following fractions pictorially

$-\frac{5}{3}$

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9. Represent the following fractions pictorially

$-\frac{7}{6}$

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10. Write the following as mixed fractions : $-\frac{7}{2}$

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11. Write the following as mixed fractions : $-\frac{8}{5}$

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12. Write the following as mixed fractions : - $\frac{9}{4}$

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13. Write the following as mixed fractions : - $\frac{13}{5}$

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14. Write the following as mixed fractions : - $\frac{17}{3}$

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15. Write the numerator and denominators of the following fractional numbers - $\frac{1}{3}$

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16. Write the numerator and denominators of the following fractional numbers - $\frac{2}{5}$

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17. Write the numerator and denominators of the following fractional numbers - $\frac{7}{2}$

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18. Write the numerator and denominators of the following fractional numbers - $\frac{19}{3}$

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19. Write the numerator and denominators of the following fractional numbers - $\frac{7}{29}$

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20. Write the numerator and denominators of the following fractional numbers - $\frac{11}{13}$

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21. Write the numerator and denominators of the following fractional numbers - $\frac{1}{7}$

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22. Write the numerator and denominators of the following fractional numbers - $\frac{8}{3}$

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23. Write improper fraction as mixed fraction - $\frac{9}{4}$

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24. Sort the following fractions into the category of proper and improper fractions. Also write improper fraction as mixed fraction

, $\frac{2}{7}$

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25. Sort the following fractions into the category of proper and improper fractions. Also write improper fraction as mixed fraction

- $\frac{8}{3}$

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26. Sort the following fractions into the category of proper and improper fractions. Also write improper fraction as mixed fraction

$-\frac{3}{5}$

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27. Sort the following fractions into the category of proper and improper fractions.

Also write improper fraction as mixed fraction

$-\frac{5}{3}$

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28. Sort the following fractions into the category of proper and improper fractions. Also write improper fraction as mixed fraction

$-\frac{1}{9}$

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29. Sort the following fractions into the category of proper and improper fractions. Also write improper fraction as mixed fraction

$-\frac{9}{5}$

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30. Sort the following fractions into the category of proper and improper fractions. Also write improper fraction as mixed fraction

$-\frac{8}{7}$

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31. Show the following on number line - $\frac{7}{6}$

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32. Show the following on number line - $\frac{5}{2}$

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33. Show the following on number line - $\frac{7}{5}$

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34. Show the following on number line - $\frac{9}{6}$

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35. Out of these which are proper fractional number : - (i) $\frac{3}{2}$ (ii) $\frac{2}{5}$

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36. Out of these which are proper fractional number : - (i) $\frac{1}{7}$ (ii) $\frac{8}{3}$

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37. Pick out the mixed fractions from these : - (i) $\frac{3}{5}$ (ii) $1\frac{2}{7}$

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38. Pick out the mixed fractions from these : -

(i) $\frac{7}{2}$ (ii) $2\frac{3}{5}$

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39. Convert the following improper fractions into mixed fractions : - $\frac{7}{3}$

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40. Convert the following improper fractions into mixed fractions : - $\frac{11}{2}$

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41. Convert the following improper fractions into mixed fractions : - $\frac{9}{4}$

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42. Convert the following improper fractions into mixed fractions : - $\frac{27}{4}$

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43. Convert the mixed fraction into improper fraction : $1\frac{2}{7}$

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44. Convert the mixed fraction into improper fraction : $3\frac{2}{8}$

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45. Convert the mixed fraction into improper fraction : $10\frac{2}{9}$

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46. Convert the mixed fraction into improper fraction : $8\frac{7}{9}$

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47. Write 5 fractional numbers that are in the standard form.

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48. Write 5 fractional numbers that are not in standard form.

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49. Convert the following fractions into their standard form - $\frac{7}{28}$

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50. Convert the following fractions into their standard form - $\frac{7}{28}$

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51. Convert the following fractions into their standard form - $\frac{15}{90}$

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52. Convert the following fractions into their standard form - $\frac{11}{33}$

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53. Convert the following fractions into their standard form - $\frac{39}{13}$

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54. Which group of fractions are like fractions among the following - $\frac{2}{7}, \frac{3}{7}, \frac{4}{7}$

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55. Which group of fractions are like fractions among the following - $\frac{1}{9}, \frac{2}{9}, \frac{4}{9}$

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56. Which group of fractions are like fractions among the following - $\frac{3}{7}, \frac{4}{9}, \frac{7}{11}$

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57. From each of these identify like fractional numbers - $\frac{2}{3}, \frac{5}{3}, \frac{1}{3}, \frac{4}{6}$

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58. From each of these identify like fractional numbers - $\frac{1}{7}, \frac{3}{5}, \frac{2}{5}, \frac{1}{9}$

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59. From each of these identify like fractional numbers - $\frac{7}{8}, \frac{8}{7}, \frac{2}{8}, \frac{7}{5}$

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60. Rafi says "There can be no equivalent fractions that are also like fractions". Do you afree with him ? Explain your answer and justify.

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61. Identify the biggest and the smallest in these froup of fractional numbers - $\frac{1}{7}, \frac{3}{7}, \frac{2}{7}, \frac{5}{7}$

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62. Identify the biggest and the smallest in these froup of fractional numbers - $\frac{1}{9}, \frac{13}{9}, \frac{11}{9}, \frac{5}{9}$

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63. Identify the biggest and the smallest in these froup of fractional numbers - $\frac{1}{3}, \frac{5}{3}, \frac{17}{3}, \frac{9}{3}$

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64. Which of these is the smaller fractions - $\frac{2}{5}, \frac{3}{7}$

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65. Which of these is the smaller fractions - $\frac{7}{8}, \frac{5}{4}$

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66. Which of these is the smaller fractions - $\frac{3}{11}, \frac{1}{2}$

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67. Write the following fractional number in Ascending order: $\frac{1}{7}, \frac{13}{7}, \frac{11}{7}, \frac{5}{7}, \frac{15}{7}$

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68. Write the following fractional number in Ascending order: $\frac{2}{3}, \frac{5}{6}, \frac{3}{9}, \frac{24}{18}$

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69. Write the following fractional number in Ascending order: $\frac{2}{3}, \frac{1}{2}, \frac{5}{6}, \frac{7}{12}$

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70. Write the following fractional number in Ascending order: $\frac{1}{5}, \frac{1}{2}, \frac{1}{8}, \frac{1}{3}, \frac{1}{12}$

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71. Write the following fractional number in descending order: $\frac{1}{9}, \frac{13}{9}, \frac{11}{9}, \frac{15}{9}, \frac{3}{9}$

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72. Write the following fractional number in descending order: $\frac{1}{6}, \frac{2}{3}, \frac{3}{9}, \frac{5}{6}$

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73. Write the following fractional number in Ascending order: $\frac{1}{5}, \frac{9}{5}, \frac{3}{5}, \frac{6}{5}$

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74. Which of these is the smaller fractions - $\frac{5}{6}, \frac{2}{3}$

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75. Add the following fractional numbers - $\frac{1}{2} + \frac{1}{5}$

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76. Add the following fractional numbers -

$$\frac{1}{2} + \frac{3}{2} + \frac{7}{2}$$

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77. Add the following fractional numbers -

$$\frac{1}{3} + \frac{2}{6} + \frac{5}{6}$$

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78. Add the following fractional numbers - $\frac{1}{3} + \frac{7}{5}$

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79. Add the following fraction: $\frac{2}{5} + \frac{3}{5}$

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80. Add the following fraction: $\frac{7}{10} + \frac{2}{10}$

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81. Add the following fraction: $\frac{3}{4} + \frac{2}{6}$

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82. Subtract the following - $\frac{2}{7}$ from $\frac{3}{5}$

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83. Subtract the following - $\frac{1}{9}$ from $\frac{2}{5}$

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84. Show $\frac{2}{6}, \frac{4}{6}, \frac{8}{6}, \frac{5}{6}$ and $\frac{6}{6}$ on the number line. Also arrange them in ascending order.

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85. Fill the appropriate sign($<$, $=$, $>$):

$\frac{1}{2} \square \frac{1}{5}$

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86. Fill the appropriate sign($<$, $=$, $>$):

$$\frac{2}{4} \square \frac{2}{3}$$

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87. Fill the appropriate sign($<$, $=$, $>$):

$$\frac{3}{5} \square \frac{2}{3}$$

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88. Fill the appropriate sign($<$, $=$, $>$):

$\frac{3}{4} \square \frac{2}{8}$

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89. Fill the appropriate sign($<$, $=$, $>$):

$\frac{3}{5} \square \frac{6}{5}$

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90. Fill the appropriate sign($<$, $=$, $>$):

$\frac{7}{9} \square \frac{3}{9}$

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91. Answer the following. Also write how you solved them - Is $\frac{5}{9}$ equal to $\frac{4}{5}$?

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92. Answer the following. Also write how you solved them - Is $\frac{9}{16}$ equal to $\frac{5}{9}$?

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93. Answer the following. Also write how you solved them - Is $\frac{4}{5}$ equal to $\frac{16}{20}$?

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94. Answer the following. Also write how you solved them - Is $\frac{1}{15}$ equal to $\frac{4}{30}$?

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95. Simplify: $\frac{1}{18} + \frac{1}{18}$

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96. Simplify: $\frac{8}{15} + \frac{3}{15}$

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97. Simplify: $\frac{7}{7} - \frac{5}{7}$

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98. Simplify: $\frac{1}{22} + \frac{21}{22}$

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99. Simplify: $\frac{12}{15} - \frac{7}{15}$

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100. Simplify: $\frac{5}{8} + \frac{3}{8}$

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101. Simplify: $\frac{1}{4} + \frac{0}{4}$

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102. Simplify: $1 - \frac{2}{3}$

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103. Simplify: $3 - \frac{12}{5}$

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104. Fill the missing fraction: $\frac{7}{10} - \square = \frac{3}{10}$

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105. Fill the missing fraction: $\square - \frac{3}{21} = \frac{5}{21}$

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106. Fill the missing fraction: $\square - \frac{3}{3} = \frac{3}{6}$

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107. Fill the missing fraction: $\square + \frac{5}{27} = \frac{12}{27}$

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108. Narendra painted $\frac{2}{3}$ area of the wall in his room. His brother Ritesh helped and

painted $\frac{1}{3}$ area of the wall. How much did they paint together ?

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109. Neha was given $\frac{5}{7}$ of a basket of bananas. What fraction of banana was left in the basket ?

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110. A piece of rod $\frac{7}{8}$ metre long is broke into two pieces. One piece was $\frac{1}{4}$ metre long. How long is the other piece ?

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111. Renu takes $2\frac{1}{5}$ minutes to walk around the school ground. Snigdha takes $\frac{7}{4}$ minutes to do the same. Who takes less time and by what fraction ?

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112. Write fractions for the following decimal and also find how many lenth parts are there in each - 0.4

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113. Write fractions for the following decimal and also find how many tenth parts are there in each - 0.2

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114. Write fractions for the following decimal and also find how many lenth parts are there in each - 0.8

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115. Write fractions for the following decimal and also find how many tenth parts are there in each - 1.6

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116. Write fractions for the following decimal and also find how many lenth parts are there in each - 5.4

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117. Write fractions for the following decimal and also find how many lenth parts are there in each - 555.3

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118. Write fractions for the following decimal and also find how many lenth parts are there in each - 0.9

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119. Fill in the blanks - 325 paisa = ... rupees ..... paisa = ₹ .....

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120. Fill in the blanks - 570 paisa = ...rupees ..... paisa = ₹ .....

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121. Fill in the blanks - 2050 paisa = ...rupees ..... paisa = ₹ .....

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122. Fill in the blanks - The fractional form of 0.8 is .....

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123. Fill in the blanks - The whole number part of 15.9 is .....

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124. Fill in the blanks - The digit in the tenths place of 171.9 is .....

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125. Fill in the blanks - The place value of 8 in 9.8 is .....

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126. The point between the whole number part and the decimal part of the decimal number is called .....

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127. Write the decimal for each of the following - One hundred twenty five and four tenths

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128. Write the decimal for each of the following - Twenty and two tenths

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129. Write the decimal for each of the following - Eight and six tenths

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130. Write the following fractions in the decimal form using decimal point - $\frac{16}{100}$

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131. Write the following fractions in the decimal form using decimal point - $\frac{278}{1000}$

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132. Write the following fractions in the decimal form using decimal point - $\frac{6}{100}$

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133. Write the following fractions in the decimal form using decimal point - $\frac{369}{100}$

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134. Write the following fractions in the decimal form using decimal point - $\frac{16}{1000}$

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135. Write the following fractions in the decimal form using decimal point - $\frac{345}{10}$

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136. Write the place value of each underlined digit - 34.26

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137. Write the place value of each underlined digit - 8.88

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138. Write the place value of each underlined digit - 0.91

Watch Video Solution

139. Write the place value of each underlined digit - 0.50

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140. Write the place value of each underlined digit - 3.03

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141. Write the place value of each underlined digit - 6.74

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142. Find which is greater - 0.2 or 0.4

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143. Find which is greater - 70.08 or 70.7

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144. Find which is greater - 6.6 or 6.58

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145. Find which is greater - 7.4 or 7.35

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146. Find which is greater - 0.76 or 0.8

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147. Rewrite in ascending order:0.04,1.04,0.14,1.14

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148. Rewrite in ascending order: 9.09,0.99,1.1,7

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149. Rewrite in descending order: 8.6,8.59,8.09,8.8

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150. Rewrite in descending order:6.8,8.66,8.06,8.68

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151. Find - $0.39 + 0.26$

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152. Find - $0.8 + 0.07$

Watch Video Solution

153. Find - $1.45 + 1.90$

Watch Video Solution

154. Find - $3.44 + 1.58$

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155. Sonu went to a shop. He wanted to buy a chiki and a toffee. One chiki costs ₹ 0.75 and a toffee costs ₹ 0.50. If he buys one each of them how much he has to pay to the shopkeeper. Sonu's mother gave him ₹ 2. He

gave it to shopkeeper and bought items of ₹ 1.25. How much he will get in return ? Suppose if his mother gave her ₹ 5 then how much will the shopkeeper return ?

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156. Add the following decimal fractions - 25.11 - 3.80

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157. Add the following decimal fractions - 14.01 + 1.1 + 1.98

158. Add the following decimal fractions - 9.85 - 0.61

159. Add the following decimal fractions - 2.3 + 18.94

160. Add the following decimal fractions - 2.57 + 3.75

161. Abhishek travelled 5 km. 28 m by bus, 2km. 265 m. by car and the rest 1 km. 30m. by walk. How much distance did he travel in all ?

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162. Mrs. Vykuntam bought 6.25 m of dress material for her older daughter and 5.75 m for the younger one. How much dress material did she buy for her daughters.

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163. Simplify the fraction into their smallest form? $\frac{15}{6}$

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164. Simplify the fraction into their smallest form? $\frac{25}{15}$

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165. Simplify the fraction into their smallest form? $\frac{36}{24}$

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166. Simplify the fraction into their smallest form? $\frac{9}{30}$

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167. Change the following fraction into like fraction:4/5,7/10,3/2,14/3,19/15`

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168. Add the fraction: $\frac{3}{4}+\frac{5}{6}+\frac{4}{3}$

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169. Add the fraction: $\frac{2}{5}+\frac{7}{10}+\frac{4}{15}$

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170. Add: $3\frac{1}{4}$ and 7"3/4

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171. Add: $5\frac{2}{5}$ and $8\frac{4}{5}$

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172. Subtract the following: $\frac{13}{7}$ from $\frac{18}{5}$

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173. Subtract the following: $\frac{21}{15}$ from $\frac{13}{12}$

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174. Convert fraction into decimal fraction: $\frac{7}{100}$

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175. Convert fraction into decimal fraction: $\frac{13}{10}$

Watch Video Solution

176. Convert fraction into decimal fraction: $\frac{23}{1000}$

Watch Video Solution

177. Convert fraction into decimal fraction: $\frac{33}{10000}$

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178. What is meant by $\frac{3}{7}$?

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179. Write the following improper fractions into mixed fractions - $\frac{8}{5}$

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180. Write the following improper fractions into mixed fractions - $\frac{11}{6}$

Watch Video Solution

181. Write the following improper fractions into mixed fractions - $\frac{15}{7}$

Watch Video Solution

182. Write the following improper fractions into mixed fractions - $\frac{21}{8}$

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183. Convert the mixed fractions into improper fractions - $3\frac{2}{7}$

Watch Video Solution

184. Convert the mixed fractions into improper fractions - $4\frac{3}{5}$

Watch Video Solution

185. Convert the mixed fractions into improper fractions - $7\frac{3}{8}$

Watch Video Solution

186. Convert the mixed fractions into improper fractions - $5\frac{3}{4}$

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187. Write equivalent fractions of - $\frac{5}{7}$

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188. Write equivalent fractions of - $\frac{3}{4}$

Watch Video Solution

189. Write equivalent fractions of - $\frac{2}{5}$

Watch Video Solution

190. Write equivalent fractions of - $\frac{4}{9}$

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191. Write the following into ascending order -

$\frac{13}{4}, \frac{1}{4}, \frac{7}{4}, \frac{9}{4}, \frac{5}{4}$

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192. Write the following into ascending order -

$\frac{3}{8}, \frac{2}{3}, \frac{5}{6}, \frac{1}{4}$

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193. Add the unlike factors - $\frac{2}{3}+\frac{5}{9}+\frac{3}{2}+\frac{11}{6}$

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194. Add - $3\frac{2}{5}+1\frac{4}{5}+5\frac{3}{5}$

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195. Write the decimal for each - Three hundred one and two tenths

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196. Write the decimal for each - Twenty two and five tenths

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197. Write the decimal for each - Seventy nine and 8 hundredths

 Watch Video Solution

198. Write the decimal for each - Eight and 5 hundredths

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199. Add the following - $3.27 + 15.05 + 21.5$

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200. Add the following - $4.027 + 3.12 + 11.4$

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201. Show the fractional numbers on number line $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{4}{4}, \frac{5}{4}, \frac{7}{4}$

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202. Raju digs $\frac{3}{5}$ of the ditch in the 1st day. The remaining part on the second day. How much in the remaining part.

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203. Krishna gave $\frac{1}{4}$ of his property to his wife, 1/5th to his son, $\frac{1}{8}th$ to his daughter. What is the remaining part ?

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