



# MATHS

## NCERT - NCERT Maths(TELUGU)

### FRACTION ,DECIMALS AND RATIONAL NUMBERS

#### Exercise

1. Represent  $\frac{3}{4}$ ,  $\frac{1}{4}$  in different ways using different figures. Justify your representation.



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2. Write five examples, each of proper, improper and mixed fractions.



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3. Write five equivalent fractions for  $\frac{3}{5}$



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4. Write five equivalent fractions for  $\frac{4}{7}$



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5. Which is bigger  $\frac{5}{8}$  or  $\frac{3}{5}$ ?



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6. Determine if the pairs are equal by writing each in their simplest form:  $\frac{3}{8}$  and  $\frac{375}{1000}$



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7. Determine if the pairs are equal by writing

each in their simplest form:  $\frac{18}{54}$  and  $\frac{23}{69}$



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8. Determine if the pairs are equal by writing

each in their simplest form:  $\frac{6}{10}$  and  $\frac{600}{1000}$



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9. Determine if the pairs are equal by writing

each in their simplest form:  $\frac{17}{27}$  and  $\frac{25}{45}$



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10. Compute and express the result as a mixed

fraction :  $2 + \frac{3}{4}$



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11. Compute the following and express the result as a mixed fraction:  $\frac{7}{9} + \frac{1}{3}$



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12. Compute the following and express the result as a mixed fraction:  $1 - \frac{4}{7}$



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**13.** Compute the following and express the result as a mixed fraction:  $2\frac{2}{3} + \frac{1}{2}$



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**14.** Compute the following express the result as a mixed fraction:  $\frac{5}{8} - \frac{1}{6}$



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15. Compute the following express the result

as a mixed fraction:  $2\frac{2}{3} + 3\frac{1}{2}$



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16. Arrange in Ascending Order :  $\frac{5}{8}, \frac{5}{6}, \frac{1}{2}$



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17. Arrange in Ascending Order :  $\frac{2}{5}, \frac{1}{3}, \frac{3}{10}$



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18. check whether in this square the sum of the numbers in each row and in each column and along the diagonals is the same.

$\frac{6}{13}$	$\frac{13}{13}$	$\frac{2}{13}$
$\frac{3}{13}$	$\frac{7}{13}$	$\frac{11}{13}$
$\frac{12}{13}$	$\frac{1}{13}$	$\frac{8}{13}$



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19. A Rectangular sheet of paper is  $5\frac{2}{3}$  cm long and  $3\frac{1}{4}$  cm wide. Find its Perimeter.



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20. The recipe requires  $3\frac{1}{4}$  cups of flour. Radha has  $1\frac{3}{8}$  cups of flour. How many more cups of flour does she need?



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21. Abdul is preparing for his final exam. He has completed  $\frac{5}{12}$  part of his course content. Find out how much course content is left?



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22. Solve :  $4 + \frac{7}{8} =$



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23. Solve :  $\frac{3}{5} + \frac{2}{7} =$



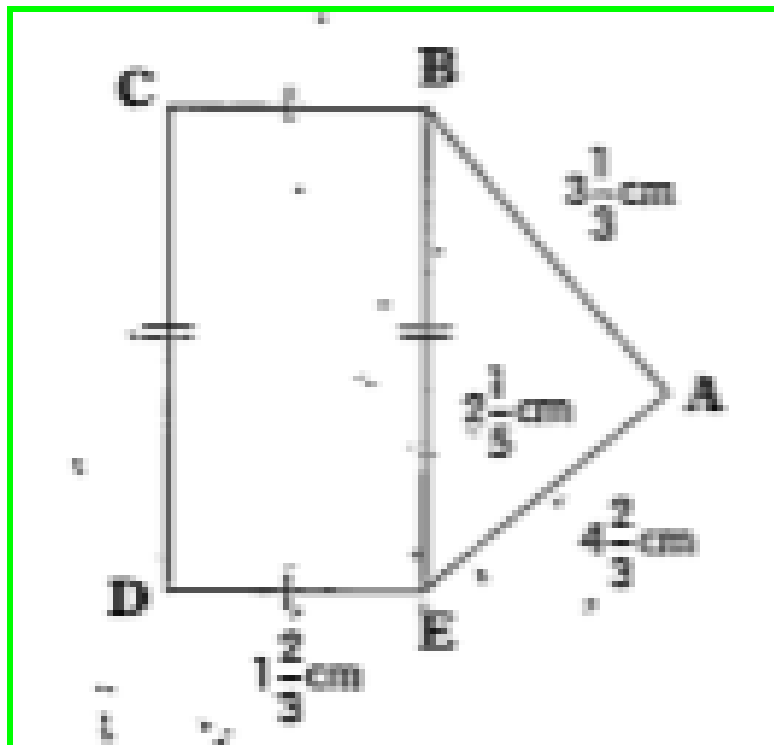
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24. A rectangular sheet of paper  $12\frac{1}{2}$  cm Long and  $10\frac{2}{3}$  cm wide. Find its perimeter.



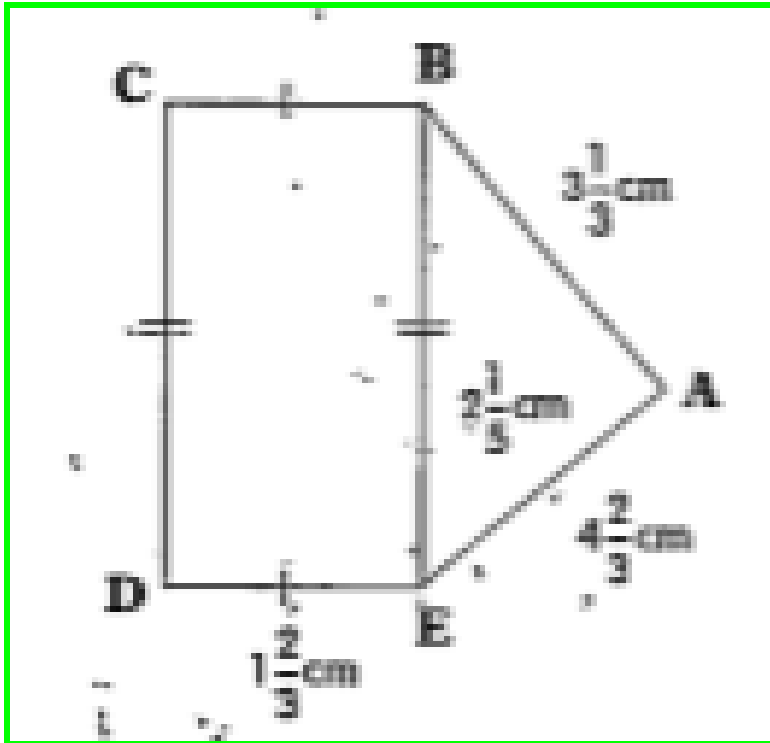
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25. Find the perimeters of  $\triangle ABE$



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26. The rectangle BCDE in this figure. Which figure has greater perimeter by how much?



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27. Jaya purchases  $3\frac{1}{2}$  kg apples and  $4\frac{3}{4}$  kg oranges. What is the total weight of fruits purchased by her?



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28. Additional bits :  $2 + \frac{1}{4} = \dots\dots$



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29. Additional bits :  $1 - \frac{3}{4} = \dots\dots$



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30. Additional bits :  $\frac{6}{13} + 1 + \frac{2}{13} = \dots$



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31. Additional bits :  $\frac{7}{7} - \frac{5}{7} = \dots$



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32. Additional bits :  $3\frac{1}{2} + 3\frac{3}{4} = \dots$





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33. Additional bits :  $\frac{20}{28} = \dots\dots$



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34. Additional bits :  $1\frac{1}{2} = \dots\dots$



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35. Additional bits :  $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + 1 =$

.....



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36. Additional bits:  $2 / 100 =$



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37. Additional bits:  $\frac{3}{4} \times \frac{7}{7} = \dots$



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38. Find the value :  $4 \times \frac{2}{7}$



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39. Find the Value :  $4 \times \frac{3}{5}$



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40. Find the Value :  $7 \times \frac{1}{3}$



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41. Find the Value :  $5 \times \frac{3}{2}$



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42. Find the Value :  $4 \times \frac{7}{5}$



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43. Find the Value :  $7 \times \frac{8}{3}$



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44. Find the Value :  $3 \times 2\frac{2}{7}$



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45. Find the Value :  $5 \times 2\frac{1}{3}$



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46. Find the Value :  $8 \times 4\frac{1}{7}$



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47. Find the Value :  $4 \times 1\frac{2}{9}$



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48. Find the Value :  $5 \times 1\frac{1}{3}$



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49. Represent pictorially  $2 \times \frac{1}{5} - \frac{2}{5}$



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50. Multiply and write the Answer as A Mixed

fraction :  $\frac{3}{6} \times 10$



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51. Multiply and write the Answer as A Mixed

fraction :  $\frac{1}{3} \times 4$



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52. Multiply and write the Answer as A Mixed

fraction :  $\frac{6}{7} \times 2$



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53. Multiply and write the Answer as A Mixed

fraction :  $\frac{2}{9} \times 5$



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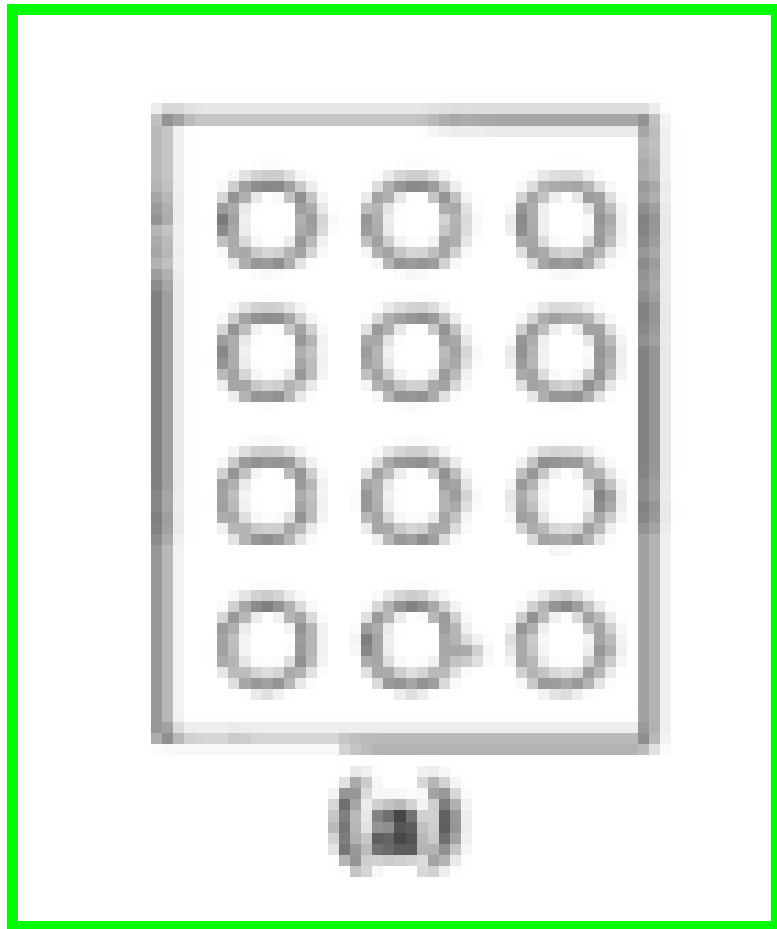
54. Multiply and write the answer as a mixed

fraction:  $15 \times \frac{2}{5}$



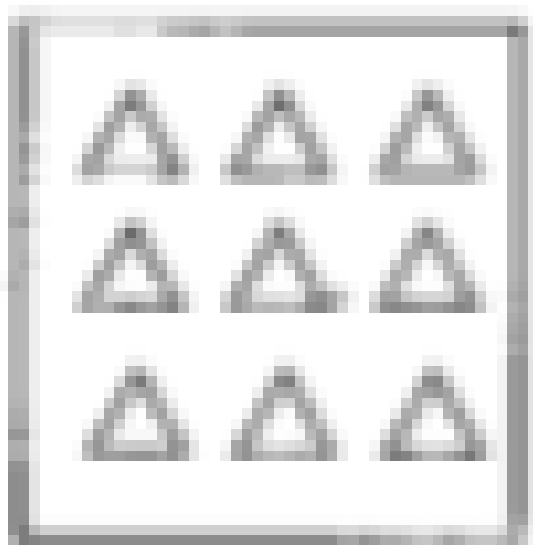
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55. (a) Shade:  $\frac{1}{2}$  of the circles in box.



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56. (b) Shade:  $\frac{2}{3}$  of the triangles in box.

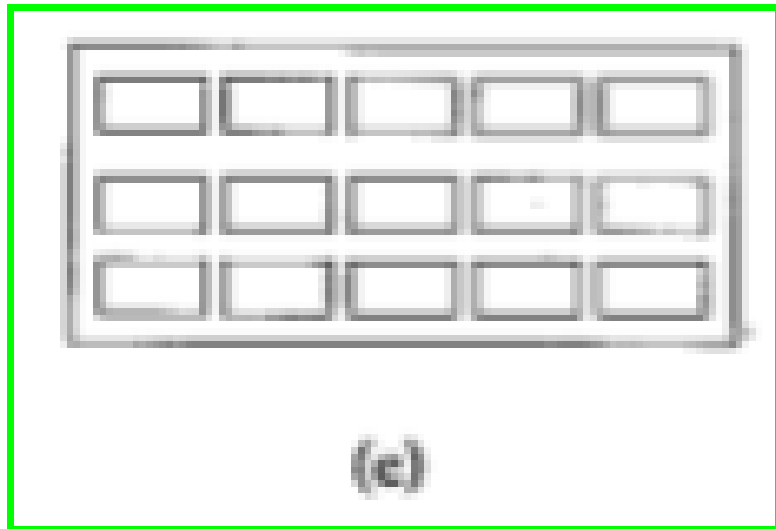


(b)



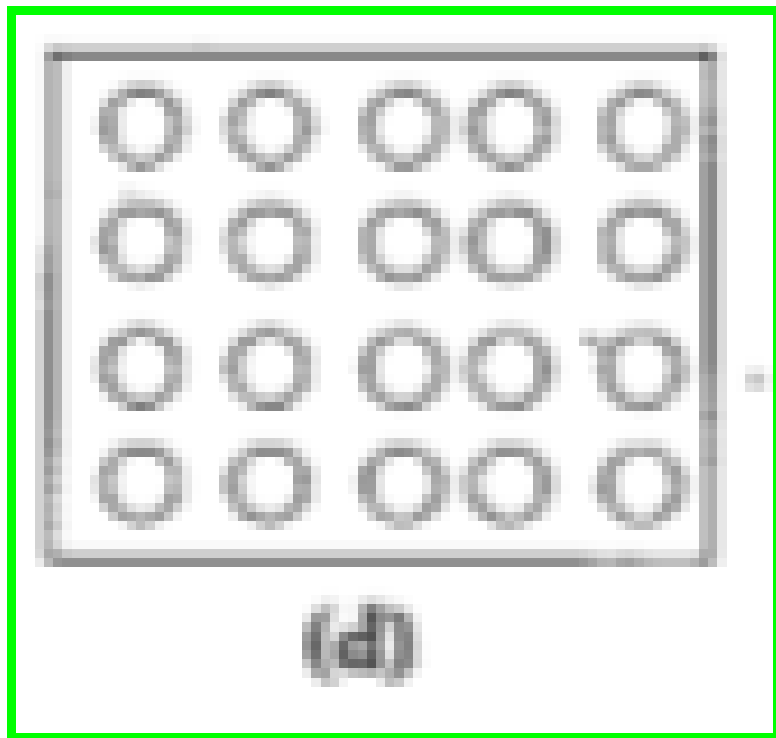
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57. (c) Shade:  $\frac{3}{5}$  of the rectangles in box.



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58. (d) Shade:  $\frac{3}{4}$  of the circles in box.



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59. Find the Value :  $\frac{1}{3}$  of 12



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60. Find the Value :  $\frac{2}{5}$  of 15



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61. Multiply :  $2 \times \frac{6}{7}$



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62. Multiply :  $13 \times \frac{1}{3}$



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63. Find the value :  $\frac{2}{3}$  of 18



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64. Find the value :  $\frac{3}{4}$  of 16



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65. Additional bits :  $2 \times \frac{1}{4} = \dots\dots$



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66. Additional bits :  $4 \times \frac{2}{7} = \dots\dots$



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67. Additional bits :  $3\frac{1}{3} = \dots\dots$



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68. Additional bits :  $\frac{5}{3} + \frac{5}{3} = \dots\dots$





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69. Additional bits :  $7 \times \frac{8}{3} = \dots$



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70. Additional bits :  $5 \times 1\frac{1}{2} = \dots$



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71. Additional bits :  $\frac{1}{2}$  of 26 = .....



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72. Additional bits :  $\frac{3}{6} \times 10 = \dots\dots$



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73. Additional bits :  $\frac{2}{5}$  of 15 = .....



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74. Additional bits :  $\frac{3}{4}$  of 12 = .....



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75. Multiply and Express the Answer as Mixed

fraction :  $3 \times 5\frac{1}{5}$



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76. Multiply and Express the Answer as Mixed

fraction :  $3\frac{2}{5} \times 8$



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77. At Ahmed's birthday party,  $\frac{5}{7}$  part of the total cake was distributed. Find how much cake is left?



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78. Solve :  $2 + \frac{3}{4} =$



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79. Solve :  $1 - \frac{4}{7} =$





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**80.** A Rectangular sheet of Paper is 5.2 cm long  
3.4 cm wide. Find its Perimeter.



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**81.** Multiply :  $15 \times \frac{2}{5}$



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82. Multiply :  $\frac{2}{9} \times 5$



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83. Fill in the blanks :  $\frac{1}{3} \times 4 = \dots\dots$



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84. Fill in the blanks :  $\frac{1}{2}$  of 16.....



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85. Fill in the blanks :  $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \dots$



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86. Fill in the blanks :  $\frac{1}{2}$  .....  $\frac{1}{4}$  (use  $>$  or  $<$ )



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87. what happens to the value of the product when we multiply two proper fractions?

Eg: $\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$	$\frac{8}{15} < \frac{2}{3}, \frac{8}{15} < \frac{4}{5}$	Product is less than each of the fractions
$\frac{1}{5} \times \frac{2}{7} = \dots\dots\dots$		
$\frac{3}{5} \times \frac{\square}{8} = \frac{21}{40}$		
$\frac{2}{\square} \times \frac{4}{9} = \frac{8}{45}$		

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88. Find the product :  $\frac{5}{6} \times \frac{7}{11}$

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89. Find the product :  $6 \times \frac{1}{5}$

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90. Multiply and reduce to lowest form :

$$\frac{2}{3} \times 3\frac{1}{5}$$



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91. Multiply and reduce to lowest form :

$$\frac{2}{3} \times 5\frac{1}{5}$$



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92. Multiply and reduce to lowest form :

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



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93. Multiply and reduce to lowest form :

$$\frac{9}{3} \times \frac{5}{5}$$



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94. Which one is greater?  $\frac{2}{5}$  of  $\frac{4}{7}$  or  $\frac{3}{5}$  of  $\frac{1}{2}$



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95. Which one is greater?  $\frac{1}{2}$  of  $\frac{4}{7}$  or  $\frac{2}{5}$  of  $\frac{3}{7}$



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96. Rehana works  $2\frac{1}{2}$  hours each day on her embroidery. She completes the work in 7 days. How many hours did she take to complete her work?



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**97.** A truck runs 8 km using 1 litre of petrol. How much distance will it cover using  $10\frac{2}{3}$  litres of petrol?



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**98.** Raja walks  $1\frac{1}{2}$  meters in 1 second. How much distance will he walk in 15 minutes?



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99. Multiply :  $\frac{2}{3} \times 7\frac{2}{3}$



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100. Multiply :  $\frac{3}{8} \times \frac{6}{4}$



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101. Rama reads  $\frac{1}{4}$  of a short novel in 1 hr.

Then The part of the book he will read in  $2\frac{1}{2}$

hr is .....



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**102.** A car runs 16 km using 1 litre of petrol.  
How much distance will cover using  $2\frac{3}{4}$  litres  
of petrol.



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**103.** Multiply :  $\frac{2}{3} \times 2\frac{2}{3}$



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**104.** Multiply:  $6\frac{2}{5} \times \frac{7}{9}$



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**105.** Find the Value :  $2 + \frac{1}{4}$



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**106.** Find the Value :  $7 + \frac{1}{2}$



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**107.** Find the Value :  $3 + \frac{1}{5}$



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**108.** Will the reciprocal of a proper fraction be a proper fraction?



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**109.** Will the reciprocal of an improper fraction be an improper fraction?





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**110.** Raju applied this inverting procedure to Mixed fractions and said that the reciprocal of  $1\frac{1}{2}$  is  $1\frac{2}{1}$ . Is he right? Check?



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**111.** Find the Value :  $9 + \frac{2}{5}$



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112. Find the Value :  $3 + \frac{4}{7}$



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113. Find the Value :  $2 + \frac{8}{9}$



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114. Find:  $7 + 5\frac{1}{3} =$



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115. Find:  $5 + 2\frac{4}{7}$



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116. Find the Value :  $\frac{3}{5} + \frac{1}{2}$



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117. Find the Value :  $\frac{3}{5} + \frac{1}{2}$



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118. Find the Value :  $2\frac{1}{2} + \frac{3}{5}$



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119. Find:  $5\frac{1}{6} + \frac{9}{2} =$



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120. Find the Reciprocal of the fraction:  $\frac{5}{8}$



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**121.** Find the Reciprocal of the Fraction :  $\frac{8}{7}$



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**122.** Find the Reciprocal of the fraction :  $\frac{13}{7}$



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**123.** Find the Reciprocal of the Fraction :  $\frac{3}{4}$



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124. Find the Value :  $18 + \frac{3}{4}$



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125. Find the Value :  $8 + \frac{7}{3}$



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126. Find the Value :  $3 + 2\frac{1}{3}$



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127. Find:  $5 + 3\frac{4}{7}$



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128. Find the Value:  $\frac{2}{5} + 3$



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129. Find:  $\frac{7}{8} + 5$



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**130.** Find:  $\frac{4}{9} + \frac{4}{5}$



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**131.** Deepak can paint  $\frac{2}{5}$  of a house in one day.

If he continues working at this rate, then how many days will he take to paint the whole house?



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132. Find the Value :  $\frac{4}{9} + 5$



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133. Find:  $4\frac{3}{7} + 7$



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134. Additional bits :  $3 + \frac{1}{2} = \dots\dots$



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**135.** Find:  $7 + \frac{1}{4} =$



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**136.** Additional bits :  $\frac{5}{4} \times \frac{4}{5} = \dots$



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**137.** Additional bits :  $\frac{1}{9} \times 9 = \dots$



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**138.** Find the Reciprocal of the Fraction :  $\frac{3}{4}$



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**139.** Find:  $4 + 3\frac{2}{3} =$



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**140.** Find :  $2 + \frac{3}{4} =$



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141. Find:  $2\frac{1}{3} + 5 =$



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142. Find the Value:  $\frac{3}{5} + \frac{1}{2}$



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143. Additional bits : The Reciprocal of  $3\frac{1}{3}$  is  
= .....



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144. Find:  $\frac{2}{5} + \frac{1}{2}$



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145. Find:  $2\frac{1}{3} + \frac{3}{5} =$



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146. Find the Reciprocal of  $1\frac{2}{3}$



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147. Find the reciprocal of  $2\frac{8}{9}$



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148. Find the reciprocal of 4



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149. Find:  $2\frac{1}{3} \times 3\frac{1}{5}$



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150. Find the Value :  $6 \times \frac{2}{17}$



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151. Fill in the blanks:  $\frac{1}{8} + 2 = \dots\dots$



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152. Fill in the blanks :  $\frac{1}{2} \div \frac{1}{2} = \dots\dots$



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153. Fill in the blanks:  $1\frac{1}{2} + 1 = \dots\dots$



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154. Fill in the blanks :  $4 \div 3\frac{2}{5} = \dots\dots$



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155. Fill in the blanks :  $1 \times \frac{1}{2} = \dots\dots$



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156. Fill in the blanks :  $18 \div \frac{3}{4} = \dots\dots\dots$



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157. Fill in the blanks : The Reciprocal of  $\frac{3}{8} =$   
.....



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**158.** Fill in the blanks : The Reciprocal of 3 =

.....



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**159.** Write the following numbers in their expanded form : 30.807



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**160.** Write the number in their expanded form

: 968.038



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**161.** Write the number in their expanded form:

8370.705



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**162.** Find the Value :  $0.25 + 5.30$



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**163.** Find the Value :  $29.75 - 25.97$



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**164.** Which one is greater 0.7 or 0.07?



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**165.** Which one is greater 7 or 8.5?



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**166.** Which one is greater? 1.47 or 1.51



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**167.** Which one is greater 6 or 0.66?



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**168.** Express in rupees using decimals : 9 paise



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**169.** Express as rupees using decimals: 77 paise



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**170.** Express as rupees using decimals : 7 paise



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**171.** Express as rupees using decimals : 235 paise



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**172.** Write the given decimal number in it's expanded form : 55.5



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**173.** Write the following decimal numbers in expanded form :5.55



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**174.** Write the following decimal numbers in expanded form : 303.03



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**175.** Write the following decimal numbers in expanded form : 30.303



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**176.** Write the following decimal numbers in expanded form : 1234.56.



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**177.** Express 10 cm in metre and kilometre.



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**178.** Express 45 mm in centimeter, meter and kilometer.



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**179.** Write the place value of 3 in the decimal numbers: 3.46



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**180.** Write the place value of 3 in the decimal numbers: 32.46



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**181.** Write the place value of 3 in the decimal numbers : 7.43



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**182.** Write the place value of 3 in the decimal numbers: 90.30



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**183.** Write the place value of 3 in the decimal numbers: 794.037



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**184.** Express in kilograms: 190 g



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**185.** Express in kilograms: 247 g



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**186.** Express the given weight in kilograms :

44kg 80 gm



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**187.** Aruna and Radha start their journey from two different places A and E. Aruna chose the path from A to B then to C, while Radha chose the path from E to D then to C. Find who travelled more and by how much?



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**188.** Upendra went to the market to buy vegetables. He brought 2 kg 250 gm tomatoes, 2 kg 500 gm potatoes, 750 gm lady fingers and

125 gm green chillies. How much weight did upendra carry back to his house?



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**189.** Write the expanded form of : 45.5



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**190.** Write the expanded form of : 20.304



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**191.** How much less is  $28\text{km}$  than  $42.6\text{km}$ ?



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**192.** Which is greater?  $1.37$  or  $1.49$ ?



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**193.** Which is greater?  $0.8$  or  $0.88$



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**194.** Additional bits :  $\frac{1}{10} = \dots$



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**195.** Additional bits :  $4 \times \frac{1}{100} = \dots$



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**196.** convert: 5 paise into ₹.....



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**197.** fill in the blanks  $15 \text{ cm} = \dots\dots\dots \text{m}$ .



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**198.** fill in the blanks  $5 \text{ km} = \dots\dots\dots \text{m}$ .



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**199.** Fill in the blanks  $0.7 \dots\dots\dots 0.07$  (  $>$  or  $<$  )



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**200.** Add:  $0.25 + 0.75$ .....



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**201.** Add:  $221.85 + 37.10$ =.....



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**202.** Additional bits :  $39.70 - 6.85 =$  .....



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203. convert :  $7\text{m} = \dots\dots\dots\text{cm}$ .



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204. Find:  $1.7 \times 3$



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205. Find :  $2.0 \times 1.5$



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206. Find:  $2.3 \times 4.35$



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207. Observe the pattern in the table, given below and complete it

$29.5 + 10 = 2.95$	$132.7 + 10 = \dots\dots\dots$	$1.5 + 10 = \dots\dots\dots$	$17.36 + 10 = \dots\dots\dots$
$29.5 + 100 = 0.295$	$132.7 + 100 = \dots\dots\dots$	$1.5 + 100 = \dots\dots\dots$	$17.36 + 100 = \dots\dots\dots$
$29.5 + 1000 = 0.0295$	$132.7 + 1000 = \dots\dots\dots$	$1.5 + 1000 = \dots\dots\dots$	$17.36 + 1000 = \dots\dots\dots$



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208. Find:  $35.7 + 3 =$



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**209.** Find:  $25.5 + 3 =$



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**210.** Find the area of a rectangle whose length is 6.2cm and breath is 4 cm.



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**211. Solve:**  $0.3 \times 6$



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**212. Solve:**  $7 \times 2.7$



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**213. Solve:**  $2.71 \times 5$



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**214.** Solve:  $19.7 \times 4$



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**215.** Solve:  $0.05 \times 7$



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**216.** Solve:  $210.01 \times 5$



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**217.** Solve:  $2 \times 0.86$



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**218.** Solve:  $21.3 \times 10$



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**219.** Solve:  $36.8 \times 10$



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**220. Solve :**  $53.7 \times 10$



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**221. Solve:**  $168.07 \times 10$



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**222. Solve:**  $131.1 \times 100$



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**223.** Solve:  $156.1 \times 100$



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**224.** Solve:  $131.1 \times 100$



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**225.** Solve:  $156.1 \times 100$



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**226.** Solve :  $3.62 \times 100$



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**227.** Solve:  $43.07 \times 100$



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**228.** Solve:  $0.5 \times 10$



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**229.** Solve:  $0.08 \times 10$



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**230.** Solve:  $0.9 \times 100$



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**231.** Solve:  $0.03 \times 1000$



**Watch Video Solution**

**232.** Solve :  $2.3 \div 100$



**Watch Video Solution**

**233.** Solve :  $0.45 \div 5$



**Watch Video Solution**

**234.** Solve:  $44.3 \div 10$



**Watch Video Solution**

**235.** Solve:  $127.1 \div 1000$



**Watch Video Solution**

**236.** Solve:  $7 \div 3.5$



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**237.** Solve:  $88.5 \div 0.15$



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**238.** Solve:  $0.4 \div 20$



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**239.** A motor bike covers a distance of 62.5 km consuming one litre of petrol. How much distance does it cover for 10 litres of petrol?



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**240.** Solve:  $1.5 \times 0.3$





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**241. Solve:**  $0.1 \times 47.5$



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**242. Solve:**  $0.2 \times 210.8$



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**243. Solve:**  $4.3 \times 3.4$



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**244.** Solve:  $0.5 \times 0.05$



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**245.** Solve:  $11.2 \times 0.10$



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**246.** Solve:  $1.07 \times 0.02$



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247. Solve:  $10.05 \times 1.05$



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248. Solve :  $101.01 \times 0.01$



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249. Solve :  $70.01 \times 1.1$



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**250.** A side of a regular polygon is 3.5 cm. in length The perimeter of the polygon is 17.5 cm. How many sides does the polygon have?



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**251.** rainfall of 0.896 cm. was recorded in 7 hours. what was the average amount of rain per hour?





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252. Additional bits :  $\frac{1}{10} \times \frac{1}{10}$



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253. Additional bits, compute :  $0.4 \times 0.2$



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254. Additional bits:  $0.1 \times 0.1$





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255. Solve:  $2.5 \times 1.25$



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256. Solve:  $1.2 \times 2.5$



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257. Additional bits:  $\frac{8}{100} =$





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**258.** Solve:  $1.7 \times 3$



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**259.** Solve:  $1.76 \times 10$



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**260.** Solve:  $0.5 \times 1000$





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**261.** Additional bits : If  $l = 7.1\text{cm}$  and  $b = 2.5\text{cm}$ , then the Area of Rectangle = .....  $\text{cm}^2$



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**262.** Write 5 more fractions between 0 and 1



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**263.** Write 5 more fractions between 1 and 2



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**264.** Find:  $0.2 \times 6$



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**265.** Find:  $20.1 \times 4$



**Watch Video Solution**

**266.** Find:  $2.5 \times 0.3$



**Watch Video Solution**

**267.** Solve:  $0.5 \times 0.05$



**Watch Video Solution**

**268.** Find the area of rectangle whose length is 4.7 an and breadth is 2 cm.



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269. Where does  $4\frac{3}{5}$  lie on the number line?



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270. Find the greatest and smallest numbers among the groups: 2,-2,-3,4,0,-5



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271. Find the greatest and smallest numbers among the groups: -3,-7,-8,0,-5,-2



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272. Write the numbers in ascending order: 2345, 6549, 9843, 6742



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273. write descending order for the following: -5, -75, 3, -2, 4



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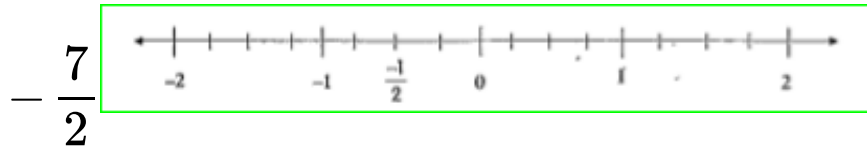
274. Write the numbers in ascending order:  $\frac{2}{3}$ ,

$\frac{3}{2}$ , 0, -1, -2, 5



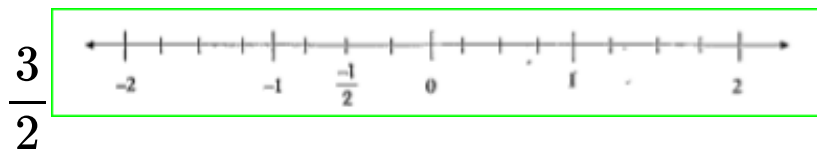
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275. Represent the numbers on number line:



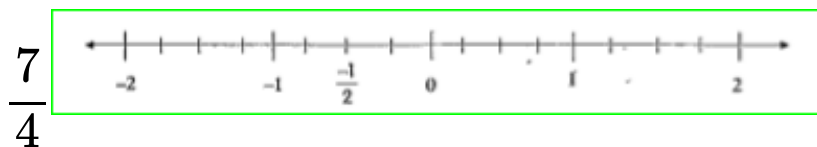
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276. Represent the numbers on number line:



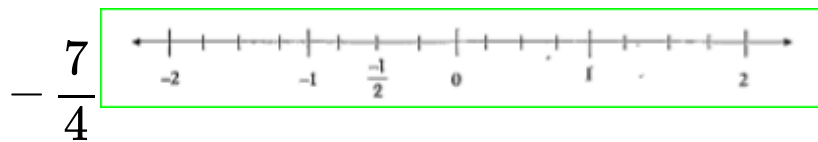
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277. Represent the numbers on number line:



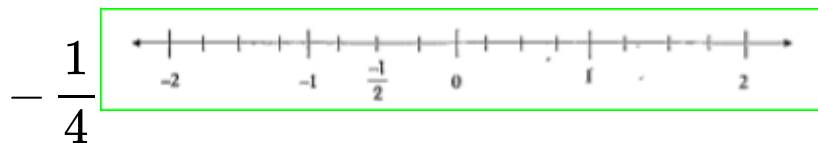
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278. Represent the number on number line :



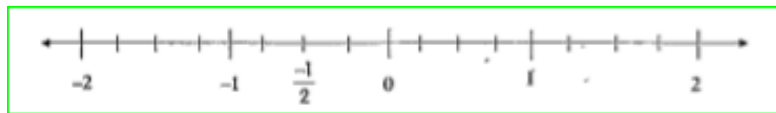
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279. Represent the number on number line :



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280. the numbers on number line:  $\frac{1}{4}$



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281. Write the 5 fractional numbers and identify  $w_1$  and  $w_2$  in each of these.



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**282.** Take any 5 integers and make all possible rational numbers with them.



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**283.** Consider any 5 rational numbers. Find out which integers constitute them?



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**284.** Write three more equivalent fractions of  $\frac{3}{4}$  and mark them on the number line. What do you observe?



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**285.** Do all equivalent fractions of  $\frac{6}{7}$  represent the same point on the number line?



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286. Are  $-\frac{1}{2}$  and  $-\frac{3}{6}$  represent same point on the number line?



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287. Are  $-\frac{2}{3}$  and  $-\frac{4}{6}$  equivalent?



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288. Write 5 equivalent rational numbers to  $\frac{5}{2}$



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**289.** Write 5 equivalent rational numbers to

$$-\frac{7}{9}$$



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**290.** Write 5 equivalent rational numbers to

$$-\frac{3}{7}$$



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**291.** Identify the equivalent rational numbers

in each question :  $\frac{-1}{2}$ ,  $\frac{-3}{4}$ ,  $\frac{-2}{4}$ ,  $\frac{-4}{8}$



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**292.** Identify the equivalent rational numbers

in each question :  $\frac{1}{4}$ ,  $\frac{3}{4}$ ,  $\frac{5}{3}$ ,  $\frac{10}{6}$ ,  $\frac{2}{4}$ ,  $\frac{20}{12}$



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**293.** Write any three equivalent rational numbers to each of the following :  $\frac{2}{3}$



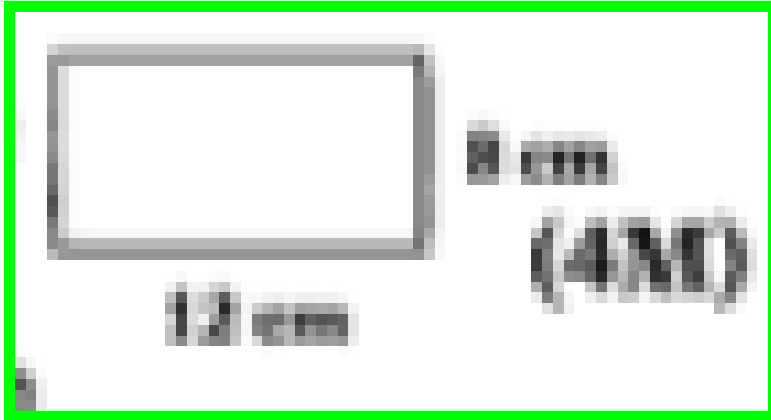
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**294.** Write any three equivalent rational numbers of:  $-\frac{3}{8}$



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295. find the perimeter of the figure.



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296. Write the following decimal numbers in expanded form : 30.303



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**297.** Write the given decimal number in it's expanded form : 55.5



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**298.** Find the average of 4.2, 3.8 and 7.6.



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**299.** Solve:  $44.3 \div 10$



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**300.** Solve:  $127.1 \div 1000$



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**301.** Fill in the blanks:  $0.5 \times 10$ .....



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**302.** Fill in the blanks:  $0.5 \times 10$ .....



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303. Fill in the blanks:  $12.96 \div 4$ .....



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304. Fill in the blanks :  $1 \text{ m} = \dots\dots\dots \text{ cm}$



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305. What is the equivalent rational number

for  $-\frac{15}{36}$  with denominator 12.



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**306.** What is the equivalent rational number for  $-\frac{15}{36}$  with numerator -75?



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**307.** Write any three equivalent rational numbers to each of the following :  $\frac{2}{3}$



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**308.** Write any three equivalent rational

number:  $-\frac{3}{8}$



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**309.** Mark the rational numbers on the

number line:  $\frac{1}{2}$



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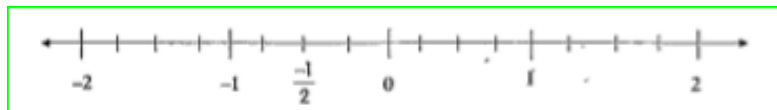
**310.** Mark the rational numbers on the number

line:  $\frac{3}{4}$



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**311.** Represent the numbers on number line:  $\frac{3}{2}$



**Watch Video Solution**

**312.** Mark the rational numbers on the number

line:  $\frac{10}{3}$



**Watch Video Solution**

**313.** (True or false) Every integer is a rational number and vice versa (.....)



**Watch Video Solution**

**314.** (True or false) In a rational number of the form  $\frac{p}{q}$ ,  $q$  must be a non zero integer.(.....)



**Watch Video Solution**

**315.** (True or false) Every decimal number can be represented as a rational number.(.....)



**Watch Video Solution**

**316.** (True or false)  $\frac{5}{7}$ ,  $\frac{6}{7}$ ,  $\frac{7}{7}$  are equivalent rational numbers.(.....)



**Watch Video Solution**

**317.** (True or false) Equivalent rational numbers of a positive rational numbers are all positive (.....)



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**318.** Solve:  $31.5 \div 100$



**Watch Video Solution**

**319.** Solve:  $6.4 \div 2$



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**320.** Additional bits :  $12.96 + 4 =$



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**321.** Additional bits :  $925 \div 25 =$



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**322.** Additional bits : 1 hr = ..... minutes.



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**323.** Additional bits:  $4.2 + 7.6 + \frac{3.8}{3}$



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**324.** Additional bits :  $0.3 \times 6 = \dots\dots$



**Watch Video Solution**

**325.** Solve :  $2.3 \div 100$



**Watch Video Solution**

**326.** solve  $\frac{3}{4} \dots\dots\dots \frac{5}{7}$  (  $>$  or  $<$  )



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327. Additional bits :  $\frac{3}{15} = \dots\dots\dots$



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328. Find the average of 4.2, 3.8 and 7.6.



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329. Find:  $7 \div 3.5$



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**330.** Find:  $36 \div 0.2$



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**331.** Find:  $7.9 \div 1000$



**Watch Video Solution**

**332.** Find:  $26.3 \div 1000$



**Watch Video Solution**

**333.** Write any four equivalent fraction to  $\frac{3}{4}$



**Watch Video Solution**

**334.** Solve :  $0.45 \div 5$



**Watch Video Solution**

**335.** Solve :  $11 \times 100$



**Watch Video Solution**

**336.** Find:  $1.7 \times 3$



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**337.** Solve:  $250.1 \times 4$



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**338.** Fill in the blanks :  $1 \text{ kg} = \text{.....gm}$



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**339.** Add:  $221.85 + 37.10 = \dots\dots\dots$



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**340.** Fill in the blanks :  $\frac{4}{10} = \dots\dots\dots$



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**341.** Fill in the blanks :  $2 \div \frac{1}{3} = \dots\dots\dots$



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342. Fill in the blanks:  $\frac{5}{9} + \frac{1}{9} = \dots\dots\dots$



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343. Fill in the blanks : 12 of  $\frac{1}{4} = \dots\dots\dots$



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344. Fill in the blanks: Reciprocal of  $1\frac{3}{5} = \dots\dots\dots$



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**345.** Abdul is preparing for his final exam. He has completed  $\frac{5}{12}$  part of his course content.

Find out how much course content is left?



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**346.** A truck runs 8km using 1 litre of petrol. How much distance will it cover using  $10\frac{2}{3}$



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**347.** Upendra went to the market to buy vegetables. He brought 2 kg 250 gm tomatoes, 2 kg 500 gm potatoes, 750 gm lady fingers and 125 gm green chillies. How much weight did upendra carry back to his house?



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**348.** Deepak can paint  $\frac{2}{5}$  of a house in one day. If he continues working at this rate, then

how many days will he take to paint the whole house?



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**349.** A side of a regular polygon is 3.5 cm. in length The perimeter of the polygon is 17.5 cm. How many sides does the polygon have?



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**350.** Express 10 cm in metre and kilometre.



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**351.** Express 45 mm in centimeter, meter and kilometer.



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**352.** rainfall of 0.896 cm. was recorded in 7 hours. what was the average amount of rain per hour?



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353. Solve:  $\frac{7}{9} + \frac{1}{3}$



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354. Solve:  $\frac{7}{8} - \frac{1}{6}$



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355. Solve:  $2\frac{2}{3} + 3\frac{1}{2}$



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**356.** A rectangular sheet of paper is  $5\frac{2}{3}$  cm long and  $3\frac{1}{5}$  cm wide. Find its perimeter.



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**357.** Find the product :  $\frac{5}{6} \times \frac{7}{11}$



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**358.** Find:  $2\frac{1}{3} \times 3\frac{1}{5}$





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**359.** Raja walks  $1\frac{1}{2}$  meters in 1 second. How much distance will he walk in 15 minutes?



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**360.** Multiply and write the Answer as A Mixed fraction :  $\frac{1}{3} \times 4$



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**361.** Multiply :  $2 \times \frac{6}{7}$



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**362.** Multiply :  $\frac{2}{9} \times 5$



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**363.** Find the Reciprocal of the fraction :  $\frac{13}{7}$



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**364.** Find the Reciprocal of the Fraction :  $\frac{3}{4}$



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**365.** Find:  $8 \div \frac{7}{3}$



**Watch Video Solution**

**366.** Find:  $3 \div 2\frac{1}{3}$



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**367.** Aruna and Radha start their journey from two different places A and E. Aruna chose the path from A to B then to C, while Radha chose the path from E to D then to C. Find who travelled more and by how much?



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**368.** Solve :  $2.3 \div 100$



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**369.** Solve :  $0.45 \div 5$



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**370.** Solve:  $7 \div 3.5$



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**371.** Solve:  $7 \times 2.7$



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**372.** Solve:  $2.71 \times 5$



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**373.** Solve:  $210.01 \times 5$



**Watch Video Solution**

**374.** Solve :  $53.7 \times 10$



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**375.** Solve:  $131.1 \times 100$



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**376.** Solve:  $156.1 \times 100$



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**377.** Solve:  $0.03 \times 1000$



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**378.** Find the area of a rectangle whose length is 6.2 cm and breadth is 4 cm.



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**379.** Arrange in Ascending Order :  $\frac{5}{8}$ ,  $\frac{5}{6}$ ,  $\frac{1}{2}$



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**380.** Arrange in Ascending Order :  $\frac{2}{5}$ ,  $\frac{1}{3}$ ,  $\frac{3}{10}$



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**381.** check whether in this square the sum of the numbers in each row and in each column and along the diagonals is the same.

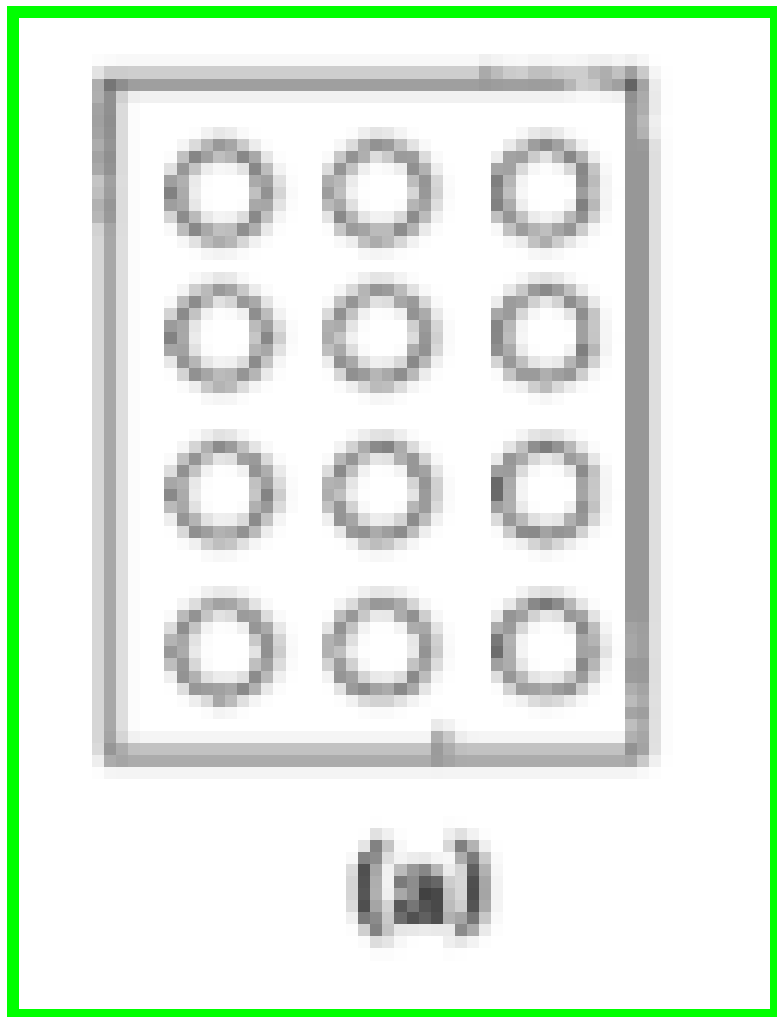
$\frac{6}{13}$	$\frac{13}{13}$	$\frac{2}{13}$
$\frac{3}{13}$	$\frac{7}{13}$	$\frac{11}{13}$
$\frac{12}{13}$	$\frac{1}{13}$	$\frac{8}{13}$



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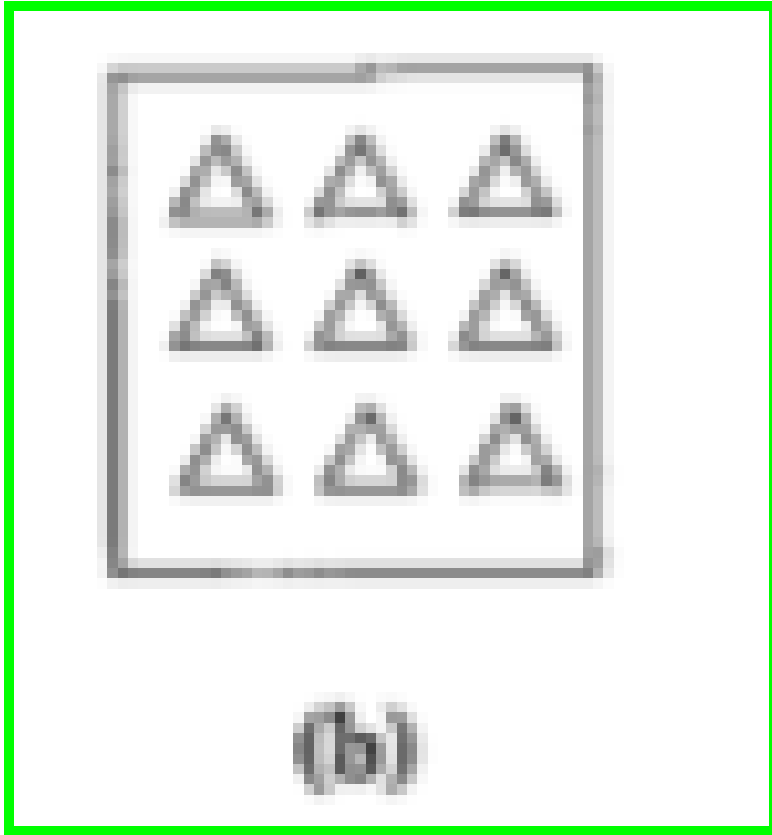


382. shade:  $\frac{1}{2}$  of the circles in box



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383. shade:  $\frac{2}{3}$  of the triangles in box.



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**384.** Which one is greater?  $\frac{2}{5}$  of  $\frac{4}{7}$  or  $\frac{3}{5}$  of  $\frac{1}{2}$



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**385.** Which one is greater?  $\frac{1}{2}$  of  $\frac{4}{7}$  or  $\frac{2}{5}$  of  $\frac{3}{7}$



**Watch Video Solution**

**386.** Which one is greater 0.7 or 0.07?



**Watch Video Solution**

**387.** Which one is greater? 1.47 or 1.51



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**388.** (True or false) Every integer is a rational number and vice versa (.....)



**Watch Video Solution**

**389.** (True or false) In a rational number of the form  $\frac{p}{q}$ ,  $q$  must be a non zero integer.(.....)



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**390.** (True or false) Every decimal number can be represented as a rational number.(.....)



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**391.** (True or false)  $\frac{5}{7}$ ,  $\frac{6}{7}$ ,  $\frac{7}{7}$  are equivalent rational numbers.(.....)



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**392.** (True or false) Equivalent rational numbers of a positive rational numbers are all positive (.....)



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**393.** Express 247g in kilogram.



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**394.** Express the given weight in kilograms :

44kg 80 gm



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**395.** Write any three equivalent rational

numbers to each of the following :  $\frac{2}{3}$



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**396.** Write any three equivalent rational numbers of:  $-\frac{3}{8}$



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**397.** Write the given decimal number in its expanded form : 55.5



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**398.** Write the following decimal numbers in expanded form :5.55



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**399.** Solve:  $0.1 \times 0.1 =$



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**400.** Solve:  $1 \div \frac{1}{2} =$



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**401.** Solve:  $0.2 \times 0.3 =$



**Watch Video Solution**

**402.** Solve:  $20 + \frac{3}{100} =$



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**403.** Solve the Fraction :  $5\frac{1}{5}$



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404. Solve :  $\frac{1}{100}$



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405. Solve:  $2.35 \times 10 =$



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406. Solve :  $\frac{442}{1000}$



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**407.** Solve:  $22.5 \div 1.5 =$



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**408.** Solve the Problem :  $\frac{2}{3} \times \frac{5}{7}$



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**409.** Solve the Problem :  $8.4 \div 4$



**Watch Video Solution**

**410.** Solve the Problem :  $2.4 \div 0.2$



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**411.** Solve the Problem :  $0.19 + 2.3$



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**412.** Solve the Problem :  $\frac{3}{4} + 3$



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**413.** Solve the Problem :  $3 \div \frac{1}{2}$



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**414.** Solve the Problem :  $\frac{1}{4}$  of 8



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**415.** Solve the Problem :  $\frac{1}{5} \times \frac{2}{7}$



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**416.** Solve the Problem :  $\frac{3}{2} + \frac{3}{2}$



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**417.** Solve the Problem :  $10\frac{2}{3}$



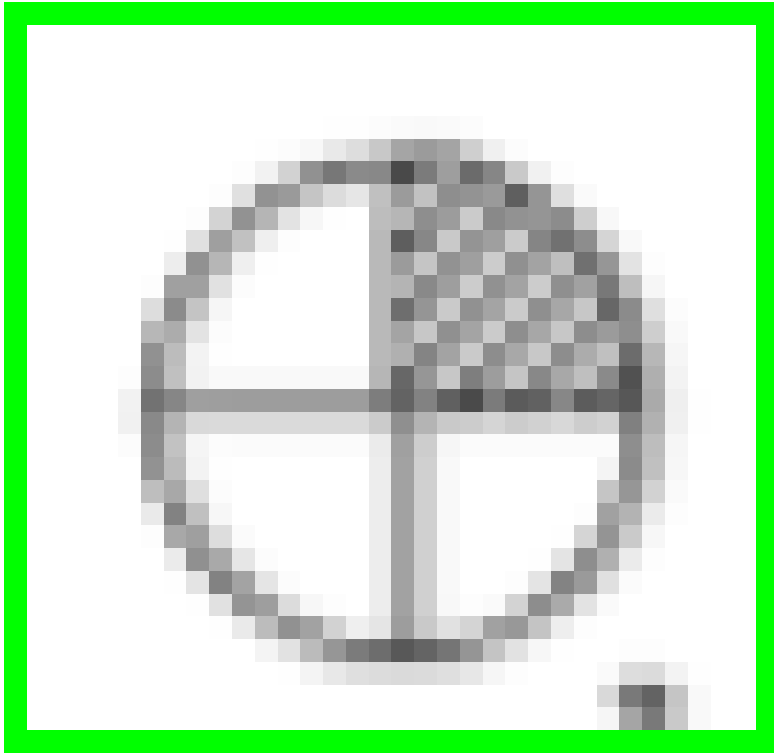
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**418.** Solve the Problem :  $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$



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419. the shaded part in the figure is.....



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420. Reciprocal of  $\frac{1}{2}$  is .....



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421. The Value of  $\frac{1}{2} - \frac{1}{2} = \dots\dots$



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422. The Value of  $2 - 1 - 1 = \dots\dots$



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423. Value of 7 paise = ₹ .....



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424. Fill in the blanks : 200 cm = ..... m



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425. Fill in the blanks : 5 g = ..... kg



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**426.** The Value of  $31.5 \div 10 = \dots\dots$



**Watch Video Solution**

**427.** The Value of  $\frac{1}{9} \times 9 = \dots\dots$



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**428.** The Value of  $1 + \frac{1}{2} + \frac{1}{2} = \dots\dots\dots$



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**429.** A car covers a distance of 89.1 km in 2.2 hours. What is the average distance covered by it in 1 hr.

A. a. 20.2km

B. b. 40km

C. c. 32 km

D. d. 40.5km

**Answer:**



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**430.**  $6.4/2$  can be written as.....

A. 0.662

B.  $6.4 \times \frac{1}{2}$

C.  $6.4^2$

D. 6.42

**Answer:**



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431. Additional bits :  $\frac{1}{10} = \dots$

A. 0.1

B. 1

C. 10

D. 0.01

**Answer:**



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432. The Value of  $\frac{2}{3} \times \frac{7}{5} =$

A.  $\frac{3}{4}$

B.  $\frac{10}{21}$

C.  $\frac{14}{15}$

D.  $\frac{4}{15}$

**Answer:**



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433. The Value of  $\frac{1}{3} \times \frac{1}{2} =$

A.  $\frac{1}{3}$

B.  $\frac{1}{6}$

C.  $\frac{1}{2}$

D.  $\frac{1}{8}$

**Answer:**



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434. The Value of  $\frac{1}{2}$  of 10 =

A. 1

B. 2

C. 5

D. 8

**Answer:**



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435. solve  $3\frac{1}{3} =$

A. 3

B. 1.3

C.  $\frac{10}{3}$

D. 0

**Answer:**



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436. The Value of  $\frac{17}{3} - \frac{14}{5} =$

A.  $2\frac{1}{5}$

B.  $2\frac{13}{17}$

C.  $1\frac{1}{2}$

D.  $2\frac{13}{15}$

**Answer:**



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437. solve  $\frac{1}{4} + \frac{1}{4} =$

A.  $\frac{1}{4}$

B.  $\frac{1}{2}$

C. 8

D. 1

**Answer:**



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438. Reciprocal of  $\frac{2}{3}$  is.....

A. 2

B. 3

C.  $\frac{3}{2}$

D.  $\frac{1}{2}$

**Answer:**



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