



MATHS

BOOKS - SUBHASH PUBLICATION

FRACTIONS AND DECIMALS

Example

1. Solve: $2 - \frac{3}{5}$



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



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



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4. Solve: $\frac{9}{11} - \frac{4}{15}$



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5. Solve: $\frac{7}{10} + \frac{2}{5} + \frac{3}{2}$



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



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7. Solve : $8\frac{1}{2} - 3\frac{5}{8}$



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8. Arrange the following in descending order:-

$$\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$$



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9. Arrange the following in descending order:-

$$\frac{1}{5}, \frac{3}{7}, \frac{7}{10}$$



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10. In a "magic square", the sum of the numbers in each row, in each column and along the diagonals is the same. Is this a magic square?

$\frac{4}{11}$	$\frac{9}{11}$	$\frac{2}{11}$
$\frac{3}{11}$	$\frac{5}{11}$	$\frac{7}{11}$
$\frac{8}{11}$	$\frac{1}{11}$	$\frac{6}{11}$

$$\left(\begin{array}{l} \text{Along the first row} \\ \frac{4}{11} + \frac{9}{11} + \frac{2}{11} = \frac{15}{11} \end{array} \right)$$



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



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12. Find the perimeters of :- $\triangle ABE$



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13. Find the perimeters of :- the rectangle BCDE in this figure.



14. In order to determine whose perimeter is greater, we convert $\frac{177}{20}$ and $\frac{94}{12}$ into equivalent fractions with denominators as the LCM of 20 and 12.

A. $\frac{177}{20}$

B. $\frac{94}{12}$

C. $\frac{94}{12}$ and $\frac{177}{20}$

D. $\frac{12}{94}$

Answer:



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15. Salil wants to put a picture in a frame. The picture is $7\frac{3}{5}$ cm wide. To fit in the frame the picture cannot be more $7\frac{3}{10}$ cm wide. How much should the picture be trimmed?

A. 0.5

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

C. $\frac{9}{5}$

D. 0.2

Answer:



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16. Ritu ate $\frac{3}{5}$ part of an apple and the remaining apple was eaten by her brother Somu. How much part of the apple did Somu eat? Who had the larger share? By how much?

A. 0.4, Ritu; $\frac{1}{5}$

B. 0.6, Ritu; $\frac{1}{3}$

C. 0.45, Somu; $\frac{1}{5}$

D. 0.7, Somu; $\frac{1}{6}$

Answer:



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17. Michael finished colouring a picture in $\frac{7}{12}$ hour. Vaibhav finished colouring the same picture in $\frac{3}{4}$ hour. Who worked longer? By what fraction was in longer?

A. michacle; $1/6$

B. vaibhav; $2/12$

C. vaibhav ; $1/3$

D. michecl; $1/12$

Answer:



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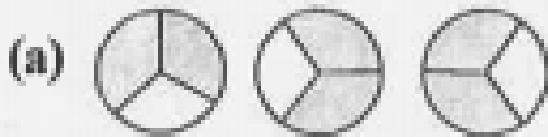
18. Which of the drawings (a) to (d) is pictorial representation of fraction given in figure:

(i) $2 \times \frac{1}{5}$

(ii) $2 \times \frac{1}{2}$

(iii) $3 \times \frac{2}{3}$

(iv) $3 \times \frac{1}{4}$



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19. Some pictures (a) to © are given below. Tell

which of them show:

(i) $3 \times \frac{1}{5} = \frac{3}{5}$

(ii) $2 \times \frac{1}{3} = \frac{2}{3}$

(iii) $3 \times \frac{3}{4} = 2\frac{1}{4}$



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20. Multiply and reduce to Lowest form and convert into a mixed fractions: $7 \times \frac{3}{5}$



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21. Multiply and reduce to Lowest form and convert into a mixed fractions: $4 \times \frac{1}{3}$



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22. Multiply and reduce to Lowest form and convert into a mixed fractions: $2 \times \frac{6}{7}$



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23. Multiply and reduce to Lowest form and convert into a mixed fractions: $5 \times \frac{2}{9}$



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24. Multiply and reduce to Lowest form and

convert into a mixed fractions: $\frac{2}{3} \times 4$



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25. Multiply and reduce to Lowest form and

convert into a mixed fractions: $\frac{5}{2} \times 6$



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26. Multiply and reduce to Lowest form and convert into a mixed fractions: $11 \times \frac{5}{2}$



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27. Multiply and reduce to Lowest form and convert into a mixed fractions: $20 \times \frac{4}{5}$



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28. Multiply and reduce to Lowest form and convert into a mixed fractions: $13 \times \frac{1}{3}$



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29. Multiply and reduce to Lowest form and convert into a mixed fractions: $15 \times \frac{3}{5}$



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30. Find: $\frac{1}{2}$ of (a)24 (b)46



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31. Find: $\frac{2}{3}$ of (a) 18 (b) 27



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32. Find: $\frac{3}{4}$ of 16, 36



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33. Find: $\frac{4}{5}$ of 20, 35



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34. Multiply and express as a mixed fraction:

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



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35. Multiply and express as a mixed fraction:

$$5 \times 6\frac{3}{4}$$



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36. Multiply and express as a mixed fraction:

$$7 \times 2\frac{1}{4}$$



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37. Multiply and express as a mixed fraction:

$$4 \times 6\frac{1}{3}$$



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38. Multiply and express as a mixed fraction:

$$4 \times \frac{1}{4} \times 6$$



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39. Multiply and express as a mixed fraction:

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



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40. Find: $\frac{1}{2}$ of $2\frac{3}{4}$



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41. Find: $\frac{1}{2}$ of $4\frac{2}{9}$



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42. Find: $\frac{5}{8}$ of $3\frac{5}{6}$



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43. Find: $\frac{5}{8} \times 9\frac{2}{3}$



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44. Vidya and pratap went for a picnic. Their mother gave them a water bottle that contained 5 litres of water. Vidya consumed $\frac{2}{5}$ of the water. Pratap consumed the remaining water: How much water did Vidya drink?



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45. Vidya and pratap went for a picnic. Their mother gave them a water bottle that contained 5 litres of water. Vidya consumed $\frac{2}{5}$ of the water. Pratap consumed the remaining water: What fraction of the total quantity of water did Pratap drink?



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46. Find: (i) $\frac{1}{4}$ of (a) $\frac{1}{4}$ (b) $\frac{3}{5}$ (c) $\frac{4}{3}$



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47. Find: (i) $\frac{1}{7}$ of (a) $\frac{2}{9}$ (b) $\frac{6}{5}$ (c) $\frac{3}{10}$



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48. Multiply and reduce to lowest form (If

possible): $\frac{2}{3} \times 2\frac{2}{3}$



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49. Multiply and reduce to lowest form (if

possible): $\frac{2}{7} \times \frac{7}{9}$



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50. Multiply and reduce to lowest form (if

possible): $\frac{3}{8} \times \frac{6}{4}$



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51. Multiply and reduce to lowest form (if

possible): $\frac{9}{5} \times \frac{3}{5}$



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52. Multiply and reduce to lowest form (if

possible): $\frac{9}{5} \times \frac{3}{5}$



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53. Multiply and reduce to lowest form (if

possible): $\frac{1}{3} \times \frac{15}{8}$



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54. Multiply and reduce to lowest form (if

possible): $\frac{11}{2} \times \frac{3}{10}$



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55. Multiply and reduce to lowest form (if

possible): $\frac{4}{5} \times \frac{12}{7}$



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56. Multiply the following fractions: $\frac{2}{5} \times 5\frac{1}{4}$



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57. Multiply the following fractions: $6\frac{2}{5} \times \frac{7}{9}$



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58. Multiply the following fractions: $\frac{3}{2} \times 5\frac{1}{3}$



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59. Multiply the following fractions: $\frac{5}{6} \times 2\frac{3}{7}$



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60. Multiply the following fractions: $3\frac{2}{5} \times \frac{4}{7}$



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61. Multiply the following fractions: $2\frac{3}{5} \times 3$



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62. Multiply the following fractions: $3\frac{4}{7} \times \frac{3}{5}$



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63. Which is greater? $\frac{2}{7}$ of $\frac{3}{4}$ or $\frac{3}{5}$ of $\frac{5}{8}$



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64. Salini plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is $\frac{3}{4}m$. Find the distance between the first and the last sapling.



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65. Lipika reads a book for $1\frac{3}{4}$ hours everyday. She reads the entire book in 6 days. How many

hours in all were required by her to read the book?



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66. A car run 16 km using 1 liter of petrol. How much distance will it cover using $2\frac{3}{4}$ liters of petrol.



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67. Provide the number in the box \square , such

that $\frac{2}{3} \times \square = \frac{10}{13}$.



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68. Provide the number in the box \square , such

that $\frac{3}{5} \times \square = \frac{24}{75}$.



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69. Find: $12 \div \frac{3}{4}$



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70. Find: $14 \div \frac{5}{6}$



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



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72. Find: $4 \div \frac{8}{3}$



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



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74. Find: $5 \div 3\frac{4}{7}$



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75. Find the reciprocal of each of the following fractions. Classify the reciprocal as proper fractions, improper fractions and whole numbers:- $\frac{3}{7}$



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76. Find the reciprocal of each of the following fractions. Classify the reciprocal as proper fractions, improper fractions and whole numbers:- $\frac{5}{8}$





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77. Find the reciprocal of each of the following fractions. Classify the reciprocal as proper fractions, improper fractions and whole numbers:- $\frac{9}{7}$



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78. Find the reciprocal of the following fractions. Classify the reciprocal as proper

fractions, improper fractions and whole numbers:- $\frac{7}{5}$



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79. Find the reciprocal of the fractions. Classify the reciprocal as proper fractions, improper fractions and whole numbers:- $\frac{12}{7}$



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80. Find the reciprocal of the fraction. Classify the reciprocal as proper fractions, improper fractions and whole numbers:- $\frac{1}{8}$



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81. Find the reciprocal of each of the following fractions. Classify the reciprocal as proper fractions, improper fractions and whole numbers:- $\frac{1}{11}$



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82. Find: $\frac{7}{3} + 2$



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



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84. Find: $\frac{6}{13} \div 7$



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85. Find: $4\frac{1}{3} \div 3$



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86. Find: $3\frac{1}{2} \div 4$



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87. Find: $4\frac{3}{7} \div 7$



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88. Find: $\frac{2}{5} \div \frac{1}{2}$



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89. Find: $\frac{4}{9} \div \frac{2}{3}$



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



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91. Find: $2\frac{1}{3} \div \frac{3}{5}$



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92. Find: $3\frac{1}{2} \div \frac{8}{3}$



Watch Video Solution

93. Find: $\frac{2}{5} \div 1\frac{1}{2}$



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94. Find: $3\frac{1}{5} \div 1\frac{2}{3}$



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95. Find: $2\frac{1}{5} \div 1\frac{1}{5}$



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96. Which is greater: (i) 0.5 or 0.05



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97. Which is greater: (ii) 0.7 or 0.5



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98. Which is greater: (iii) 7 or 0.7



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99. Which is greater: (iv) 1.37 or 1.49



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100. Which is greater: (v) 2.03 or 2.30



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101. Which is greater: (vi) 0.8 or 0.88



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102. Express as rupees using decimals: (i) 7

paise





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103. Express as rupees using decimals: (ii) 7 rupees 7 paise



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104. Express as rupees using decimals: (iii) 77 rupees 77 paise



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105. Express as rupees using decimals: (iv) 50 paise



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106. Express as rupees using decimals: (v) 235 paise



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107. Express 5cm in metre and kilometre



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108. Express 35mm in cm, m and km.



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109. Express in Kg: (i) 200g (ii) 3470g (iii) 4kg
and 8kg



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110. Write the following decimal number in the expanded form: (i) 20.03



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111. Write the following decimal number in the expanded form: (ii) 2.03



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112. Write the following decimal number in the expanded form: (iii) 200.03



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113. Write the following decimal number in the expanded form: (iv) 2.034



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114. Write the place value of 2 in the following decimal numbers: (i) 2.56



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115. Write the place value of 2 in the following decimal numbers: (ii) 21.37



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116. Write the place value of 2 in the following decimal numbers: (iii) 10.25



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117. Write the place value of 2 in the following decimal numbers: (iv) 9.42



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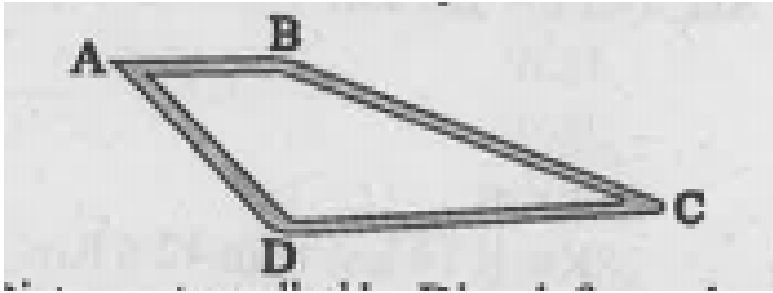
118. Write the place value of 2 in the following decimal numbers: (iv) 63.352



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119. Dinesh went from place A to place B and from there to place C. A is 7.5km from B and B is 12.7km from C. Ayub went from place A to place D and from there to place C. D is 9.3 km from A and C is 11.8km from D. Who travelled

more and by how much?



A. Dinesh; 500m

B. Ayub; 300m

C. Dinesh. 900m

D. Ayub; 900m

Answer:



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120. Shyama bought 5 Kg 300g apples and 3kg 250g mangoes. Sarala bought 4Kg 800g Oranges and 4Kg 150g bananas. Who bought more fruits?



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121. How much less is 28Km than 42.6Km?



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122. Find: (i) 0.2×6



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123. Find: (ii) 8×4.6



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124. Find: (iii) 2.71×5



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125. Find: 20.1×4



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126. Find: (v) 0.05×7



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127. Find: (v) 211.02×4



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128. Find: (vi) 2×0.86



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129. Find the area of rectangle whose length is 5.7cm and breadth in 3cm.



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130. Find : 1.3×10



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131. Find : 36.8×10



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132. Find : 153.7×10



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133. Find : 168.07×10



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134. Find : 31.1×100



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135. Find : 156.1×100



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136. Find : 3.62×100



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137. Find : 43.07×100



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138. Find : 0.5×10



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139. Find : 0.05×10



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140. Find : 0.9×100



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141. Find : 0.03×1000



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142. A two wheeler covers a distance of 55.3km in one litre of petrol. How much distance will it

cover in 10 litres of petrol?



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143. Find : 2.5×0.3



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144. Find : (ii) 0.1×51.7



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145. Find : (iii) 0.2×316.8



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146. Find : 1.3×3.1



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147. Find : (v) 0.5×0.05



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148. Find : 11.2×0.15



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149. Find : 1.07×0.02



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150. Find : 10.05×1.05



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151. Find : (ix) 101.01×0.01



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152. Find : 100.01×1.1



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153. Find : (i) $0.4 \div 0.2$



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154. Find : (ii) $0.35 \div 5$



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155. Find : $2.48 \div 4$



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156. Find : (iv) $65.4 \div 6$



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157. Find : $651.6 \div 4$



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158. Find : (vi) $14.49 \div 7$



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159. Find : (vii) $3.96 \div 4$



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160. Find : $0.80 \div 5$



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161. Find : (i) $4.8 \div 10$



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162. Find : $52.5 \div 10$



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163. Find : $0.7 \div 10$



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164. Find : $33.1 \div 10$



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165. Find : (v) $272.23 \div 10$



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166. Find : (vi) $0.56 \div 10$



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167. Find : (vii) $3.97 \div 10$



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168. Find : (i) $2.7 \div 100$



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169. Find : (ii) $0.3 \div 100$



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170. Find : (iii) $0.78 \div 100$



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171. Find : (iv) $432.6 \div 100$



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172. Find : (v) $23.6 \div 100$



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173. Find : (vi) $98.53 \div 100$



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174. Find : (i) $7.9 \div 1000$

A. 0.79

B. 0.0079

C. 0.00079

D. 7900

Answer:



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175. Find : (ii) $26.3 \div 1000$



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176. Find : (iii) $38.53 \div 1000$



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177. Find : (iv) $128.9 \div 1000$



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178. Find : (v) $0.5 \div 1000$



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179. Find: $7 \div 3.5$



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180. Find: $36 \div 0.2$



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181. Find: $3.25 \div 0.5$



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182. Find: $30.94 \div 0.7$



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183. Find: $0.5 \div 0.25$



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184. Find: $7.75 \div 0.25$



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185. Find: $76.5 \div 0.15$



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186. Find: $37.8 \div 1.4$



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187. Find: $2.73 \div 1.3$



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188. A vehicle covers a distance of 43.2Km in 2.4 litres of petrol. How much distance will it cover in one litre of petrol.

A. 16km

B. 19km

C. 18km

D. 14km

Answer:



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