



MATHS

BOOKS - RD SHARMA MATHS (HINGLISH)

DECIMALS

All Questions

1. Which is greater of 48.23 and 39.35?



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2. Write the following decimals in ascending order: 5.64, 2.54, 3.05, 0.259 and 8.32



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3. Express the following decimals as fractions in lowest form:

(i) 0.05

(ii) 3.75



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4. Express the following decimals as fractions

in lowest form: 0.004

(ii) 5.066



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5. Express the following fractions as decimals:



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6. Express the following fractions as decimals:

(ii)





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7. Add: 15.44, 7.524 and 25



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8. Aakash bought vegetables weighing 10 kg.

Out of this 3 kg 500 g is onion, 2 kg 75 g is

tomato and the rest is potato. What is the

weight of potato?



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9. Simplify: $36.54 - 15.79 + 85.2 - 57.615$



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10. Write each of the following as decimals: (i)

$\frac{8}{100}$ (ii) $20 + \frac{9}{10} + \frac{4}{100}$ (iii)

$$23 + \frac{2}{10} + \frac{6}{1000}$$



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11. Convert each of the following into fractions in the lowest form: 0. 04 (ii) 2. 34



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12. Convert each of the following into fractions in the lowest form: 0. 342 (ii) 17. 38



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13. Express the following fractions as decimals:

$$\frac{23}{10} \quad (\text{ii}) \quad 25\frac{1}{8}$$



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14. Express the following fractions as decimals:

$$39\frac{7}{35} \quad (\text{ii}) \quad 15\frac{1}{25}$$



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15. Add the following:

41. 8, 39. 24, 5. 01 *and* 62. 6

18. 03, 146. 3, 0. 829 *and* 5. 324



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16. Find the value of: $9.756 - 6.28$ (ii)

$48.1 - 0.37$



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17. Find the value of: $108.032 - 86.8$ (ii)

$100 - 26.32$



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18. Take out 3.547 from 7.2



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19. What is to be added to 36.85 to get 59.41?



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20. What is to be subtracted from 17. 1 to get 2. 051 ?



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21. By how much should 34. 79 be increased to get 70. 15?



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22. By how much should 59.71 be decreased to get 34.58?



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23. Find the following products: 27.05×10

(ii) 429.7×100 31.09×1000



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24. Find each of the following products:

3. 25×12 (ii) 0.524×15 0. 0.0275×17



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25. Find the product of 9.2 and 6.07



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26. Multiply 0.0345 by 0.0237



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27. Find the value of: 3.45×10 (ii)

0.25×10000



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28. Find the value of: 1000×5.29 (ii)

10000×0.01



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29. Multiply 7.43 *by* 14.1



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30. Find the product 0.008×0.74



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31. Find the area of a rectangle whose length is 5.7 cm and breadth is 3.5 cm.



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32. A two wheeler covers a distance of 55.4 km in one litre of petrol. How much distance will it cover in 7.5 litres of petrol?



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33. If 1 kg of pure milk contains 0.245 kg of fat. How much fat is there is 14.4 kg of milk?



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34. Find the product? 4.74 \times 10 (ii) 0.45 \times 10



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35. Find the product? 0.0215 \times 10 (ii)

0.0054 \times 10



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36. Find the product? 35.853 \times 100 (ii)

42.5 \times 100





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37. Find the product? 12.075×100 (ii)

$$100 \times 0.005$$



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38. Find the product? 2.506×1000 (ii)

$$20.708 \times 1000$$



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39. Find the product? 0.0529×1000 (ii)

$$1000 \times 0.1$$



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40. Find the product? 3.4×17 (ii) 0.745×12



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41. Find the product? 28.73×47 (ii)

$$0.0415 \times 59$$



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42. Find: 1.07×0.02 (ii) 211.9×1.13



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43. Find: 10.05×1.05 (ii) 13.01×5.01



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44. Find the area of a rectangle whose length is 5.5 m and breadth is 3.4 m.



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45. If the cost of a book is Rs. 25.75, find the cost of 24 such books.



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46. A car covers a distance of 14.75 km in one litre of petrol. How much distance will it cover in 15.5 litre of petrol?



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47. One kg of rice costs Rs 42.65. What will be the cost of 18.25 kg of rice?



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48. One metre of cloth costs Rs 152.50. What is the cost of 10.75 metre of cloths?



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49. Divide: 12.75 by 10

(ii) 127.5 by 100



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50. Divide: 1275.7 by 1000

(ii) 0.58 by 10



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51. Divide: 3.52 by 100

(ii) 6.25 by

1000



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52. Divide 93.45 by 15



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53. Divide 8.28 by 12



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54. Divide 0.6204 by 5



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55. Divide 28.82 by 20



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56. Divide 48.08 by 400



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57. Divide 163.44 by 24



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58. Divide 3.28 by 0.4



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59. Divide 42.8 by 0.02



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60. Divide 0.00942 by 0.314



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61. Divide 0.0216 by 0.6



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62. Divide 0.0024 by 0.04



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63. Divide 6.9168 by 52.4



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64. Divide 1391 by 1.3



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65. Divide 42 by 16



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66. Divide (i) 3 by 8

(ii) 3 by 80



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67. The cost of 24 pens is Rs 2986.80. Find the cost of one pen.



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68. A car covers a distance of 89.1 km in 2.2 hours. What is the average distance covered by the car in 1 hour?



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69. Mrs Jain bought 14.5 litre of refined oil for Rs 1194.80. Find its cost per litre,



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70. The product of two decimals is 1.8576. If one of the decimals is 0.54, find the other.



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71. Divide: 142.45 by 10

(ii) 54.25 by 10





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72. Divide: 3.45 by 10

(ii) 0.57 by 10



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73. Divide: 0.043 by 10

(ii) 0.004 by 10



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74. Divide: 459.5 by 100

(ii) 74.3 by 100





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75. Divide: 5.8 by 100

(ii) 0.7 by 100



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76. Divide: 0.48 by 100

(ii) 0.03 by 100



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77. Divide: 235.41 by 1000

(ii) 29.5 by 1000





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78. Divide: 3.8 by 1000

(ii) 0.7 by 1000



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79. Divide: 0.45 by 9

(ii) 217.44 by 18



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80. Divide: 319.2 by 2.28

(ii) 40.32 by 9.6





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81. Divide: 0.765 by 0.9

(ii) 0.768 by 1.6



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82. Divide: 16.64 by 20

(ii) 0.192 by 12



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83. Divide: 163.44 by 24

(ii) 403.2 by 96





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84. Divide: 16.344 by 12

(ii) 31.92 by 228



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85. Divide: 15.68 by 20

(ii) 164.6 by 200



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86. Divide: 76 by 0.019

(ii) 88 by 0.08





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87. Divide: 148 by 0.074

(ii) 7 by 0.014



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88. Divide: 20 by 50

(ii) 8 by 100



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89. Divide: 72 by 576

(ii) 144 by 15





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90. A vehicle covers a distance of 43.2 km in 2.4 litres of petrol. How much distance will it travel in 1 litre of petrol?



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91. The total weight of some bags of wheat is 1743 kg. If each bag weight 49.8 kg, how many bags are there?



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92. Shikha cuts 50 m of cloth into pieces of 1.25 m each. How many pieces does she get?



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93. Each side of a regular polygon is 2.5 cm in length. The perimeter of the polygon is 12.5 cm. How many sides does the polygon have?



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94. The product of two decimals is 42.987. If one of them is 12.46, find the other.



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95. The weight of 34 bags of sugar is 3483.3 kg. If all bags weight equally, find the weight of each bag.



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96. How many buckets of equal capacity can be filled from 586.5 litres of water, if each bucket has capacity of 8.5 litres?



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97. When 0.48 is written in the simplest form of its terms, the sum of its numerator and denominator is 148

(b) 74

37 (d) 147



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98. The improper fraction $2\frac{1}{25}$ in decimal form is 2.4 (b) 2.04 2.004 (d) None of these



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99. $4 + 4.4 + 44.4 + 4.04 + 444 = 500.88$
(b) 577.2 495.22 (d) 472.88



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100. 1.04 as an improper fraction is $1\frac{1}{5}$ (b) $1\frac{2}{5}$
 $1\frac{1}{25}$ (d) $1\frac{2}{25}$



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101. If $24.125 = 24 + \frac{A}{10} + \frac{B}{100} + \frac{C}{1000}$,
then $A + B + C = 3$ (b) 6 13 (d) 8



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102. $0.002 \times 0.5 = 0.0001$ (b) 0.001 (c) 0.01 (d)

1



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103. $3 \times 0.3 \times 0.03 \times 0.003 \times 30 =$

0.0000243 (b) 0.000243 (c) 0.00243 (d) 0.0243



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104. $0.012 \times 0.15 = 0.8$ (b) 0.08 0.008 (d)

0.0018



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105. $75.57 \div 0.01 = 7557$ (b) 0.7557 755.7 (d)

7.557



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106. What should be subtracted from 0.1 to get 0.06? 0.4 (b) 0.04 0.004 (d) None of these



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107. What should be added to 5.09 to get 5.5?

0.41

(b) 0.59 0.49

(d) 0.95



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108. $0.3 \times 0.3 \times 0.3 =$ a) 2.7 (b) 0.27 (c)

0.027 (d) None of these



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109. $0.25 \times 0.8 =$ 0.02 (b) 0.2 0.002 (d) 2



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110. 5 kg 5 g written in decimal notation is

5.5

(b) 5.05

5.005

(d) 5.0005



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111. $0.012 \div 1.5 = ?$ 0.8 (b) 0.08 0.008 (d)

none of these



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112. $0.02 \times 0.05 =$ 0.1 (b) 0.01 0.001 (d)

0.0001



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113. $5 \text{ km } 5 \text{ m} = ?$ (a) 5.5 km (b) 5.05 km (c) 5.005 km (d) 5.0005 km



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114. The value of $2.2 \times 0.2 \times 0.001$ is 4.2 (b) 0.00044 4.4 (d) None of these



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115. If $14 \times 4 = 56$, then $0.014 \times 4 =$ 0.56

(b) 5.6 0.056 (d) None of these



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116. 8 ml is equal to 0.8 L (b)

0.08 L 0.008 L (d) None of these



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