

MATHS

BOOKS - RD SHARMA MATHS (ENGLISH)

DECIMALS

Others

1. Which is greater of 48.23 and 39.35?



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



- **4.** Express the following decimals as fractions in lowest form:
- (i)0.004
- (ii) 5.066



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- **5.** Express the following fractions as decimals:
- (i) 2/10 (ii) 1359/1000 (iii) 7 1/2 (iv) 9 1/4 (v) 12
- 1/8



6. Express the following fractions as decimals.

- (i) $\frac{23}{10}$ (ii) $25\frac{1}{8}$ (iii) $39\frac{7}{35}$ (iv) $15\frac{1}{25}$



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7. Add: 15.44, 7.524 and 25

A. 47.904

B. 27.96

C.47.964

D. 47.977

Answer: C



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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?



9. Simplify: 36.54 - 15.79 + 85.2 - 57.615



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

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



11. Convert each of the following into fractions in the lowest form: (i) 0.04 (ii) 2.34



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12. Convert each of the following into fractions in the lowest form: (i) 0.342 (ii) 17.38



13. Express the following fractions as decimals:

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



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14. Express the following fractions as decimals:

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



15. Add the following: (i)

41. 8, 39. 24, 5. 01 and 62. 6 (ii)

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



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

48.1 - 0.37



- 17. Find the value of:
- (i) 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?



20. What is to be subtracted from 17. 1 to get

2.051?



21. By how much should 34.79 be increased to get 70.15?



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



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23. Find the following products: (i) $27.~05 \times 10$

(ii) 429. 7 imes 100 31. 09 imes 1000



24. Find each of the following products:

- (i) 3.25×12
- (ii) 0.524 imes 15
- (iii) 0.0275×17



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25. Find the product of 9.2 and 6.07



26. Multiply 0. 0345 by 0. 0237



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27. Find the value of: (i) 3.45×10 (ii)

 0.25×10000



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28. Find the value of: (i) 1000×5.29 (ii)

 10000×0.01



29. Multiply 7. 43 by 14. 1



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30. Find the product 0.008×0.74



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?



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? (i) 4.74×10 (ii)

 0.45×10



35. Find the product? (i) 0.0215×10 (ii)

 0.0054×10



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36. Find the product? (i) 35.853×100 (ii)

 42.5×100



37. Find the product? (i) 12.075×100 (ii)

 100×0.005



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38. Find the product? (i) 2.506×1000 (ii)

 20.708×1000



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

 1000×0.1



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40. Find the product? (i) 3.4×17 (ii)

 0.745×12



41. Find the product? (i) 28.73×47 (ii)

 0.0415×59



42. Find: (i) 1. 07×0 . 02 (ii) 211. 9×1 . 13



43. Find: (i) $10.~05 \times 1.~05$ (ii) $13.~01 \times 5.~01$



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.



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?



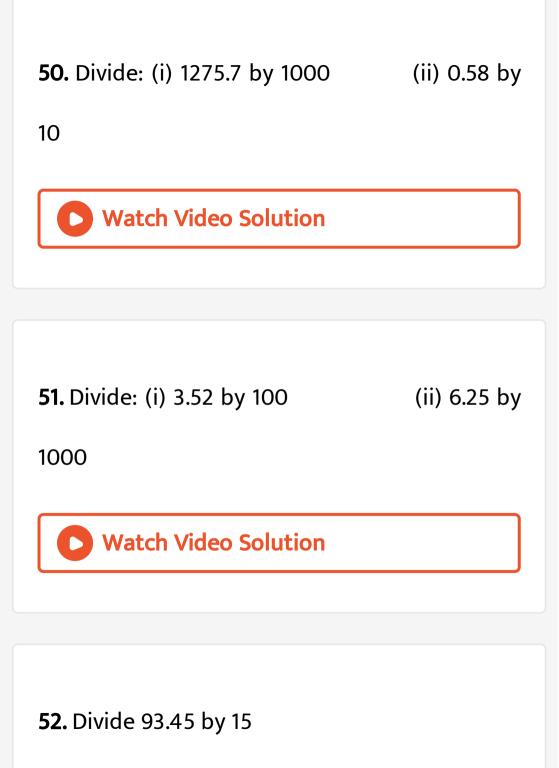
48. One metre of cloth costs Rs 152.50. What is the cost of 10.75 metre of cloths?



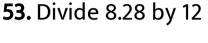
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49. Divide: (i) 12.75 by 10 (ii) 127.5 by

100









54. Divide 0.6204 by 5



55. Divide 28.82 by 20



56. Divide 48.08 by 400



57. Divide 163.44 by 24



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58. Divide 3.28 by 0.4



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



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



65. Divide 42 by 16



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66. Divide (i) 3 by 8

(ii) 3 by 80



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?



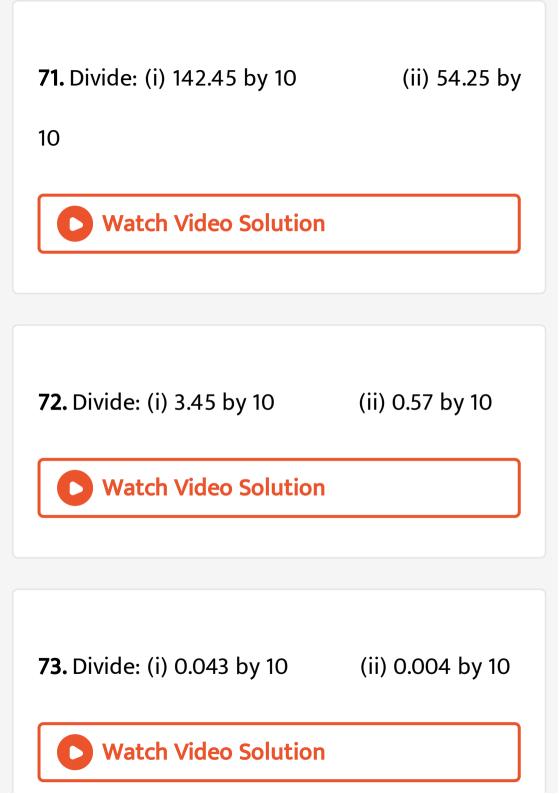
69. Mrs Jain bought 14.5 litre of refined oil for Rs 1194.80. Find its cost per litre,



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





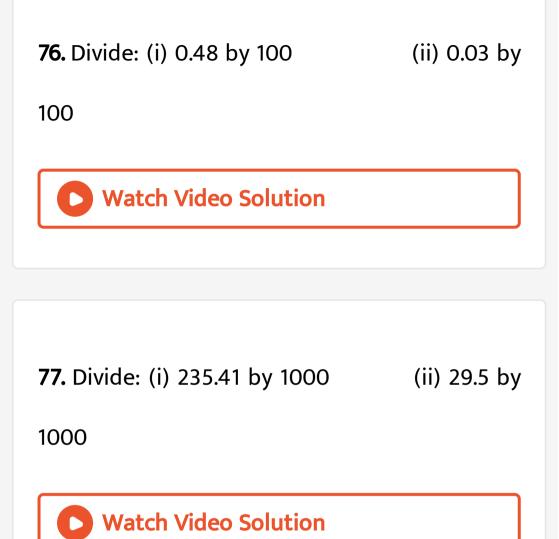
74. Divide: (i) 459.5 by 100 (ii) 74.3 by

100



75. Divide: (i) 5.8 by 100 (ii) 0.7 by 100





78. Divide:

- (i) 3.8 by 1000
- (ii) 0.7 by 1000

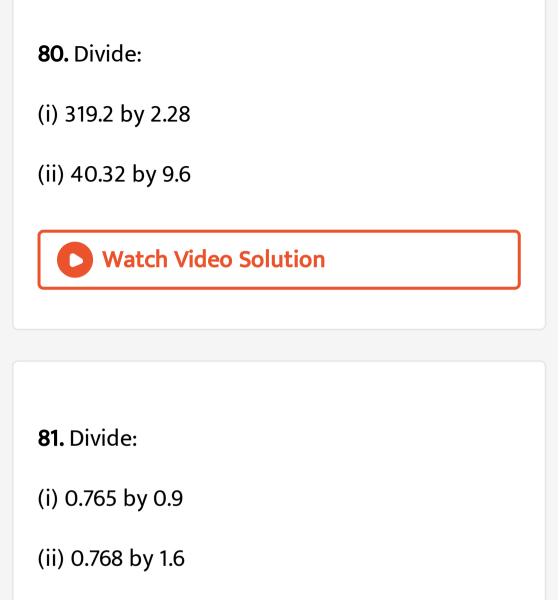


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79. Divide:

- (i) 0.45 by 9
- (ii) 217.44 by 18





- 82. Divide:
- (i) 16.64 by 20
- (ii) 0.192 by 12



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- 83. Divide:
- (i)163.44 by 24
- (ii) 403.2 by 96



84. Divide:

(i) 16.344 by 12

(ii) 31.92 by 228



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85. Divide:

- (i) 15.68 by 20
- (ii) 164.6 by 200



86. Divide:	
(i) 76 by 0.019	
(ii) 88 by 0.08	
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87. Divide:	
(i) 148 by 0.074	
(ii) 7 by 0.014	
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- 88. Divide:
- (i) 20 by 50
- (ii) 8 by 100



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- 89. Divide:
- (i) 72 by 576
- (ii) 144 by 15



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?



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?



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.



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

- (a) 148
- (b) 74

(c) 37

(d) 147



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



99.
$$4 + 4$$
. $4 + 44$. $4 + 4$. $04 + 444 =$

- (a) 500.84
- (b) 577.2
- (c) 495.22
- (d) 472.88



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100. 1.04 as an improper fraction is

- (a) $1\frac{1}{5}$ (b) $1\frac{2}{5}$

(c) 13

(d) 8

(c) $1\frac{1}{25}$

(d) $1\frac{2}{25}$



101. If $24.\ 125 = 24 + \frac{A}{10} + \frac{B}{100} + \frac{C}{1000}$,

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then A + B + C =

102. 0. $002 \times 0.5 =$

(a) 0.0001

(b) 0.001

(c) 0.01

(d) 1



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103. 3×0 . 3×0 . 03×0 . $003 \times 30 =$

(a) 0.0000243

(b) 0.000243

(c) 0.00243

(d) 0.0243



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104. $0.012 \times 0.15 =$

(a) 0.8

(b) 0.08

(c) 0.008

(d) 0.0018



105. 75. 57 \div 0. 01 =

(a) 7557

(b) 0.7557

(c) 755.7

(d) 7.557



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106. What should be subtracted from 0.1 to get

0.06?

(a) 0.4

(b) 0. 04

(c) 0.004

(d) None of these



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

(a) 0.41

(b) 0.59

(c) 0.49

(d) 0.95



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. $0.25 \times 0.8 =$

(a) 0.02

(b) 0.2

(c) 0.002

(d) 2



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110. 5 kg 5 g written in decimal notation is

(a) 5.5

(b) 5.05

(c) 5.005

(d) 5.0005



111. 0. $012 \div 1.5 = ?$

A. 0.8

B. 0.08

C. 0.008

D. none of these

Answer: C



112. $0.02 \times 0.05 =$

(a) 0.1

(b) 0.01

(c) 0.001

(d) 0.0001



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113. 5 km 5 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. 2×0 . 2×0 . 001 is

(a) 4.2

(b) 0.00044

(c) 4.4

(d) None of these



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

(a) 0.56

(b) 5.6

(c) 0.056

(d) None of these



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

0.08 L (c) 0.008 L (d) None of these



