MATHS

BOOKS - RD SHARMA MATHS (ENGLISH)

DECIMALS

Others

1. Write the following decimals in the place value table: 19.4, 0.3, 10.6, 205.9

2. Write the decimals shown in the following place value table: Thousands (1000) Hundreds (100) Ten (10) Ones (1) Tenths $\left(\dfrac{1}{10}\right)$ Hundredths $\left(\dfrac{1}{100}\right)$ Thousandths $\left(\dfrac{1}{1000}\right)$ (a) 4350.754 (b) 15.05 (c) 3650.025 (d) 294.705

3. Write each of the following decimals in words:

(i)250.05

(ii)0.75

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4. Write each of the following as decimal:

(A)Forty seven and six tenths

(B)Twenty three and fifteen thousandths

(C)Four hundred six and five thousandths

5. Write the following decimals in the place value table:

(i)52.5

(ii)12.57

6. Write the decimals shown in the following place value table: Thousand Hundred Ten One

Tenths Hundredths Thousandths (a) 52.5, (b) 12.57, (c) 15.05, (d) 74.059, (e) 0.503

7. Write the decimal shown in the following place value table:

8. Write each of the following decimals in words : (a) 175.04 (b) 0.21 (c) 9.004 (d) 0.459

9. Write each of the following as decimals: (a) 65+2/10+7/100 (b) 45 + 9/100 (c) 88 + 5/10 + 2/1000 (d) 3/10 + 7/1000

10. Write each of the following as decimals: (i) Five and four tenths. (ii) Twelve and four

hundredths. (iii) Nine and seven hundred five thousandths.

11. Write each of the following as decimals: (a) Five ones and 4 tenths (b) Twenty and one-tenths

12. Write each of the following as decimals: (i) $20 + 7 + \dfrac{3}{10}$ (ii) $500 + 3 + \dfrac{7}{10}$

13. Write each of the following as decimals:

(i) $\dfrac{32}{10}$

(ii) $\dfrac{1}{2}$

(iii) $\dfrac{12}{5}$

14. Write each of the following in decimal form: (i) $18\dfrac{5}{10}$ (ii) $14\dfrac{7}{10}$

15. Write the following decimals as fractions.

Reduce the fractions to lowest form:

(i) 0.6

(ii) 2.5

16. Write each of the following as decimals: (a) Three tenths (b) Two ones and five tenths (c) Thirty and one tenths (d) twenty two and six tenths (e) One hundred, two ones and three tenths

17. Write each of the following as decimals:

(i)$30 + 6 + \dfrac{2}{10}$

(ii) $700 + 5 + \dfrac{7}{10}$

18. Write each of the following as decimals:

(i) $\dfrac{22}{10}$

(ii) $\dfrac{3}{2}$

(iii) $\dfrac{2}{5}$

19. Write each of the following as decimals: (i) $40\dfrac{2}{5}$ (ii) $39\dfrac{2}{10}$ (iii) $4\dfrac{3}{5}$ (iv) $25\dfrac{1}{2}$

20. Write the following decimals as fractions. Reduce the fractions to lowest form: (i) 3.8

(ii) 21.2 (iii) 6.4   (iv) 1.0

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21. Represent the following decimal numbers on the number line:

(i)0.2

(ii)1.9

(iii)1.1

(iv)2.5

22. Between which two whole numbers on the number line are the given numbers? Which one is nearer the number?

(i)0.8

(ii)5.1

(iii)2.6

23. Write the decimal number represented by the points on the given number line: $A,\ B,\ C,\ D.$

24. Write each of the following as decimals: Three hundred six and seven hundredths Nine and twenty five thousandths Nineteen and nineteen hundredths Forty seven and seven thousandths.

25. Write each of the following as decimals:

(i) $200 + 70 + 2 + \dfrac{13}{100}$

(ii) $500 + 10 + 7 + \dfrac{15}{100}$

26. Write each of the following as decimals:

(i) $\dfrac{9}{100}$

(ii) $\dfrac{200}{1000}$

27. Write each of the following as decimals:

(i) $8\dfrac{1}{4}$

(ii) $2\dfrac{1}{8}$

28. Write the following decimals as fractions.

Reduce the fractions to lowest form:

(i) 2.02

(ii) 0.01

(iii) 0.100

29. Write each of the following as decimals:

(i) $50 + \dfrac{1}{10} + \dfrac{6}{100}$

(ii) $200 + 30 + 5 + \dfrac{2}{10} + \dfrac{9}{100}$

(iii) $16 + \dfrac{3}{10} + \dfrac{5}{1000}$

30. Write each of the following as decimals:

Five hundred twenty five and forty hundredths

Twelve and thirty five thousandths Fifteen and

seventeen thousandths Eighty eight and forty

eight-hundredths

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31. Write each of the following as decimals:

(i) $137 + \dfrac{5}{100}$

(ii) $20 + 9 + \dfrac{4}{100}$

32. Write each of the following as decimals:

(i) $\dfrac{8}{100}$

(ii) $\dfrac{300}{1000}$

(iii) $\dfrac{18}{1000}$

33. Write each of the following as decimals:

(i) $\dfrac{208}{100}$

(ii) $\dfrac{888}{1000}$

34. Write each of the following as decimals:

(i) $12\dfrac{1}{4}$

(ii) $7\dfrac{1}{8}$

(iii) $5\dfrac{1}{20}$

35. Write each of the following decimals as fractions. Reduce the fractions to lowest form:

(i) 0.04

(ii) 2.34

36. Write each of the following as decimals:

(i) $20 + 9 + \dfrac{4}{10} + \dfrac{1}{100}$

(ii) $30 + \dfrac{4}{10} + \dfrac{8}{100} + \dfrac{3}{1000}$

37. Write each of the following as decimals:

(i) $137 + \dfrac{5}{100}$

(ii) $\dfrac{7}{10} + \dfrac{6}{100} + \dfrac{4}{1000}$

38. Write each of the following as decimals:

(i) $23 + \dfrac{2}{10} + \dfrac{6}{1000}$

(ii) $700 + 20 + 5 + \dfrac{9}{100}$

39. Express the following fractions as decimals:

(i) $\dfrac{2}{10}$

(ii) $\dfrac{3}{10}$

(iii) $\dfrac{78}{100}$

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40. Express the following fractions as decimals:

(i) $\dfrac{29}{1000}$

(ii) $\dfrac{379}{1000}$

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41. Express the following fractions as decimals:

(i) $\dfrac{79}{10}$

(ii) $\dfrac{785}{100}$

(iii) $\dfrac{1359}{1000}$.

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42. Express the following fractions as

decimals:

(i) $7\dfrac{1}{2}$.

(ii) $9\dfrac{1}{4}$

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

(i) 0.8

(ii) 3.5

(iii) 6.4

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

(i) 0.05

(ii) 3.75

(iii) 0.004

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45. Express the following fractions as decimals:

(i) $\dfrac{23}{10}$

(ii) $\dfrac{129}{100}$

(ii) $\dfrac{4375}{1000}$

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46. Express the following fractions as decimals:

(i) $12\dfrac{1}{2}$

(ii) $75\dfrac{1}{4}$

(iii) $25\dfrac{1}{8}$

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47. Express the following fractions as decimals:

(i) $39\dfrac{7}{35}$

(ii) $15\dfrac{1}{25}$

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48. Which is greater of 48.23 and 39.35?

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49. Which is smaller of 0.58 and 0.84?

50. Which is smaller of 12.457 and 12.48?

51. Which is greater 1.09 or 1.093?

52. Find the blanks by using > or < to complete the following: 25.35 ... 8.47   (ii) 20.695 ... 20.93

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53. Find the blanks by using > or < to complete the following: (i) 0.39 ... 0.72   (ii) 0.109 ... 0.83

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54. Fill in the blanks by using > or < to complete the following:

(i) 0.236 ... 0.201

(ii) 0.93 ... 0.99

55. Express as Rupees (Rs) using decimals:

(i) 15 paisa

(ii) 5 paisa

(iii) 350 paisa

(iv) 2 rupees 60 paisa

56. Express as metres (m) using decimals: (i) 15cm (ii) 8cm (iii) 135cm (iv) 3m 65cm

57. Express as cm using decimals.

(a) 5 mm

(b) 60 mm

(c) 164 mm

(d) 9 cm 8 mm

(e) 93 mm

58. Express as kilometre (km) using decimals:

(i) 5 m

(ii) 55 m

(iii) 555 m

(iv) 5555 m

(v) 15 km 35m

59. Express as kilogram (kg) using decimals:

(i) 8 g

(ii) 150 g

(iii) 2750 g

(iv) 5 kg 750 g

(v) 36 kg 50 g

60. Express each of the following without using decimals:

(i) Rs. 5.25

(ii) 8.354 kg

(iii) 3.5 cm

61. Express each of the following without using

decimals:

(i) 3.05 kg

(ii) 7.54m

(iii) 15.005kg

(iv) 12.05m

(v) 0.2m

62. Choose the decimal (s) from the brackets which is (are) not equivalent to the given decimals: (a) 0.8 (0.80, 0.85, 0.800, 0.08) (b) 25.1 (25.01, 25, 10, 25, 100, 25.001) (c) 45.05 (45.050, 45.005, 45.500, 45.0500)

63. Which of the following are like decimals:

0.34, 0.07, 5.35, 24.70 45.05, 4.505, 20.55, 20.5

8.80, 17.08, 8.94, 0.27 4.50, 16.80, 0.700, 7.08

64. Which of the following statements are

correct? (a) 8.05 and 7.95 are like decimals. (b)

0.95, 0.306, 7.10 are unlike decimals. (c) 3.70

and 3.7 are like decimals. (d) 13.59, 1.359, 135.9

are like decimals. (e) 5.60, 3.04, 0.45 are like decimals.

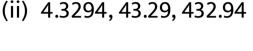**65.** Convert each of the following sets of unlike decimals to like decimal: 7.8, 7.85 (ii) 2.02, 3.2 0.6, 5.8, 12.765 (iv) 5.296, 5.2, 5.29

66. Convert each of the following sets of unlike decimals to like decimal: 5.296, 5.2, 5.29

(ii) 4.3294, 43.29, 432.94

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67. Add : $5.412.84$ and 115.2

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68. Find the sum of 0.007, 85 and 30.08.

69. Add: 15.44, 7.524 and 25

70. Find the value of: $25.65 + 9.005 + 3.7$

71. Rashid spent Rs 35.75 for Maths book and Rs 32.60 for Science book. Find the total amount spent by Rashid.

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72. Ravi purchased 5kg 400g rice, 2kg 20g sugar and 10kg 850g atta. Find the total weight of his purchases.

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73. Sampson travelled 5 km 52 m by bus 2 km 265 m by car and the rest 1 km 30 m he walked. HOw much distance did he travel in all ?

74. Find the sum in each of the following: 1. $102.36 + 7.054 + 0.8 =$ 2. $0.06 + 4.108 + 91.5 =$ 3. $312.8 + 290.02 + 128.457 =$

75. Find the sum in each of the following: (i)

$113.36 + 6.7 + 9.34 + 30.08 =$ (ii)

$3.42 + 264.08 + 7.6 + 95.321 =$ (iii)

$18.003 + 41.7 + 10.95 + 5.057$

76.   Add   the   following: (a)

$41.8, \ 39.24, \ 5.01 \ and \ 62.6$ (b)

$18.03, \ 146.3, \ 0.829 \ and \ 5.324$

77. Find the sum in each of the following: (a)

$0.007 + 8.5 + 30.08$ (b) $280.69 + 25.2 + 38$

(c) $\quad 25.65 + 9.005 + 3.7 \quad$ (d)

$27.076 + 0.55 + 0.004$

78. Find the sum in each of the following: (a)

$0.007 + 8.5 + 30.08$ (b) $280.69 + 25.2 + 38$

(c) $\quad 25.65 + 9.005 + 3.7 \quad$ (d)

$27.076 + 0.55 + 0.004$

79. Radhika's mother gave her Rs 10.50 and her father gave her Rs 15.80, find the total amount given to Radhika by the parents.

80. Rahul bought 4 kg 90 g of apples, 2 kg 60 g of grapes and 5 kg 300 g of mangoes. Find the total weight of all the fruits he bought

81. Nasreen bought 3 m 20 cm cloth for her shirt and 2 m 5 cm cloth for her trouser. Find the total length of cloth bought by her

82. Sunita travelled 15 km 268 m by bus, 7 km 7 m by car and 500 m on foot in order to reach her school. How far is her school from her residence?

83. Subtract 1.85 from 5.46.

84. Subtract 25.96 from 51.2

85. Find the value of $11.6 - 9.847$

86. Abhishek had Rs 7.45. He bought toffees for Rs 5.30. Find the balance amount left with Abhishek.

87. Namita travels 20 km 50 m every day. Out of this she travels 10 km 200 m by bus and the

rest by auto. How much distance does she travel by auto?

88. 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?

89. Rahim, Ravinder and Rohit bought 8.5 litres, 7.25 litres and 9.4 litres milk respectively from a milk booth. How much milk did they buy in all? If there was 30 litres of milk in both, find the quantity of milk left.

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90. Subtract: (i) $46.23 - 37.5 =$ (ii) $128.4 - 53.05 =$ (iii) $45.03 - 27.80 =$ (iv) $23.93 - 5.946 =$

91. Find the value of: (i) $9.756 - 6.28$ (ii) $21.05 - 15.27$ (iii) $18.5 - 6.79$ (iv) $48.1 - 0.37$

92. Find the value of: (i) $108.032 - 86.8$ (ii) $91.001 - 72.9$ (iii) $32.7 - 25.86$ (iv) $100 - 26.32$

93. The sum of two numbers is 100. If one of them is 78.01, find the other.

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94. Urmila's school is at a distance of 5 km 350 m from her house. She travels 1 km 70 m on foot and the rest by bus. How much distance does she travel by bus?

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95. Raju bought a book for Rs 35.65. He gave Rs 50 to the shopkeeper. How much money did he get back from the shopkeeper?

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96. Kanchan bought a watermelon weighing 5 kg 200 g. Out of this she gave 2 kg 750 g to her neighbour. What is the weight of the watermelon left with Kanchan?

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97. Victor drove 89.050 km on Saturday and 73.9km on Sunday. How many kilometres more did he drive on Saturday.

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98. Raju bought a book for Rs 35.65. He gave Rs 50 to the shopkeeper. How much money did he get back from the shopkeeper?

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99. Gopal travelled 125.5 km by bus, 14.25km by bike and the rest of distance of Kedarnath on foot. If he covered a total distance of 150km, how much did he travel on foot?

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100. Tina had 20 m 5 cm long cloth. She cuts 4 m 50 cm length of cloth from this for making a curtain. How much cloth is left with her?

101. Vineeta bought a book for Rs. 18.90, a pen for Rs. 8.50 and some papers for Rs. 5.05. She gave fifty rupee to the shopkeeper. How much balance did she get back?

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102. Tanuj walked 8.62km on Monday, 7.05km on Tuesday and some distance on Wednesday.

If he walked 21.01 km in three days, how much distance did he walk on Wednesday?

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103. $\dfrac{3}{10}$ is equal to

A. 3.1

B. 1.3

C. 0.3

D. 0.03

Answer: C

104. $\dfrac{7}{100}$ is equal to

A. 7.1

B. 7.01

C. 0.7

D. 0.07

Answer: D

105. $\dfrac{4}{1000}$ is equal to

A. 0.004

B. 0.04

C. 0.4

D. 4.001

Answer: A

106. The value of $\dfrac{42}{10000}$ in decimal fraction is

(a) . 0042 (b) . 00042 (c) . 0420 (d) 42000

107. The place value of 5 in 0.04532 is

A. 5

B. $\dfrac{5}{100}$

C. $\dfrac{5}{1000}$

D. $\dfrac{5}{10000}$

Answer: C

108. The value of $\dfrac{231}{1000}$ is

(a) 0.231

(b) 2.31

(c) 23.1

(d) 0.0231

109. The value of $3\dfrac{5}{1000}$ is (a) 3.5 (b) 3.05 (c) 3.005 (d) 3.0005

110. The value of $\dfrac{3}{25}$ is

(a)1.2

(b) 0.12

(c) 0.012

(d) None of these

111. The improper fraction $2\dfrac{1}{25}$ in decimal form is

(a)2.4

(b) 2.04

(c)2.004

(d) None of these

112. $4\dfrac{7}{8}$ is equal to (a) 4.78 (b) 4.87 (c) 4.875 (d) None of these

113. $2 + \dfrac{3}{10} + \dfrac{5}{100}$ is equal to

(a) 2.305

(b) 2.3

(c) 2.35

(d) 0.235

114. $\dfrac{3}{100} + \dfrac{5}{10000} = \ ?$

(a) 0.35 (b) 0.305 (c) 0.0305 (d) 0.035

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115. 1cm is equal to: (a) 0.1m   (b) 0.01m

(c) 0.10m   (d) 0.001m

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116. 1m is equal to

(a) 0.1km

(b) 0.01km

(c) 0.001km

(d) 0.0001km

117. 2kg 5gm is equal to (a) 2.5kg (b) 2.05kg (c) 2.005kg (d) 2.6kg

118. 15 litres and 15ml is equal to:

(a) 15.15 litres

(b) 15.150 litres

(c) 15.0015 litres

(d) 15.015 litres

119. Which of the following are like decimals?

5. 5, 5. 05, 5. 005, 5. 50

5. 5, 0. 55, 5. 55, 5. 555   5. 5, 6. 6, 7. 7, 8. 8

0. 5, 0. 56, 0. 567, 0. 5678

120. $555.05 + 55.5 + 5.55 + 5 + 0.55 = ?$

(a) 621.65

(b) 634.85

(c) 647.35

(d) 655.75

(e) None of these

121. $0.35 - 0.035$ is equal to: (a) 0.3 (b) 0.349

(c) 0.315 (d) 0.353

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122. $2.5 + 3.05 - 4.005$ is equal to: (a) 1.545

(b) 1.455 (c) 1.554 (d) 0.545

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123. Which is greater among

2. 3, 2. 03, 2. 33, 2. 05 ? 2.3 (b) 2.03 (c) 2.33

(d) 2.05

124. The fraction $\dfrac{173}{1000}$ in decimal form is:

(a)17.3

(b) 1.73

(c) 0.173

(d) 0.0173

125. The fraction $\dfrac{173}{1000}$ in decimal form is: (a) 17.3 (b) 1.73 (c) 0.173 (d) 0.0173

126. The value of $\dfrac{42}{10000}$ in decimal form is (a) .0042 (b) .00042 (c) .0420 (d) 42000

127. The fraction $\dfrac{173}{1000}$ in decimal form is:

(a) 17.3

(b) 1.73

(c) 0.173

(d) 0.0173

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128. The value of $2\dfrac{19}{100}$ in decimal form is: (a) 2.19 (b) 2.019 (c) 0.219 (d) 21.9

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129. 31.08 as a mixed fraction is: (a) $31\dfrac{1}{25}$ (b) $31\dfrac{2}{25}$ (c) $31\dfrac{3}{5}$ (d) None of these

130. $2 + \dfrac{3}{10} + \dfrac{4}{100} = $? (a) 2.304 (b) 0.403 (c) 2.34 (d) 2.43

131. $\dfrac{3}{100} + \dfrac{5}{10000} = $? (a) 0.35 (b) 0.305 (c) 0.0305 (d) 0.035

132. $\dfrac{5}{10} + \dfrac{3}{100} = $? (a) 0.53 (b) 0.053 (c) 0.35 (d) 0.035

133. $9.02 - 5.7 = ?$

(a) 3.32 (b) 3.23 (c) 2.32 (d) None of these

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134. Convert $2\dfrac{9}{40}$ into a decimal form.

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135. Convert the following decimals into fractions in simplest form: (i) 0.025 (ii)

0.35   (iii) 0.075

136. What number subtracted from 18.5 gives

6.2376?

(a) 0.52314   (b) 052313   (c) 0.53201   (d)

12.2624

137. Convert the following decimals as fractions:

(i) 2.3675   (ii) 54.26   (iii) 75.35   (iv) 0.7575

138. By how much should 27.354 be increased to get 52?

A. 22.696

B. 24.646

C. 24.346

D. 24.606

Answer: B

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139. Shikha bought $2m5cm$ cloth for her salwar and $3m35cm$ cloth for her shirt. Find the total length of cloth bought by her.

A. $540m$

B. $540cm$

C. $5.40cm$

D. $50.4m$

Answer: B

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140. Suman purchased $5kg$ $75g$ of fruits and $3kg$ $465g$ of vegetables, and put them in a bag. If this bag with these contents weighs $9kg$, find the weight of the empty bag.

A. $1kg\ 480g$

B. $2kg\ 460g$

C. $2kg\ 467g$

D. $1kg\ 460g$

Answer: D

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141. Evaluate the following:

$36.\ 36\ -\ 28.\ 4234\ -\ 7.\ 78\ +\ 7.\ 7$

A. 7.8666

B. 7.8696

C. 7.8566

D. 7.8646

Answer: C

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142. What number added to 3.56 gives 23.018?

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143. $\dfrac{34}{10000} =$

144. What will be 1m= _____ km

145. $7kg \ 15g = \ldots . \ kg$

146. $2l \; 5ml = \ldots\ldots l$

147. $2m \; 5cm = \ldots\ldots m$