

MATHS

BOOKS - RD SHARMA MATHS (HINGLISH)

DECIMALS

All Questions

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 $\left(\frac{1}{10}\right)$ Hundredths $\left(\frac{1}{100}\right)$ Thousandths $\left(\frac{1}{1000}\right)$ 4



3. Write each of the following decimals in words: 250.05 (ii) 0.75



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4. Write each of the following as decimal: Forty seven and six tenths Twenty three and fifteen thousandths Four hundred six and five thousandths



5. Write the following decimals in the place value table: 52.5 (ii) 12.57



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6. Write the decimals shown in the following place value table: Thousand Hundred Ten One Tenths Hundredths Thousandths 5 2 5 1 2 5 7 1 5 0 5 7 4 0 5 9 0 5 0 3 52.5, 12.57, 15.05, 74.059, 0.503



7. 307.12 (ii) 9543.025 (iii) 12.503



8. One hundred seventy five point zero four

OR One hundred seventy five and four
hundredths Zero point two one OR Zero
and twenty one hundredths Nine point zero
zero four OR Nine four thousandths Zero
point four five nine OR Zero and four
hundred fifty nine thousandths

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9. 65.27 (ii) 45.09 (iii) 88.502 (iv)

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0.307

10. 5.4 (ii) 12.04 (iii) 9.075





Five ones and 4 tenths Twenty and one-tenths



13. Write each of the following as decimals:

$$20+7+rac{3}{10}$$
 (ii) $500+3+rac{7}{10}$

$$\frac{32}{10}$$
 (ii) $\frac{1}{2}$ (iii) $\frac{12}{5}$



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



16. Write the following decimals as fractions.

Reduce the fractions to lowest form: 0.6

(ii) 2.5



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17. Write each of the following as decimals:

Three tenths Two ones and five tenths Thirty

and one tenths twenty two and six tenths One

hundred, two ones and three tenths



$$30+6+rac{2}{10}$$
 (ii) $700+5+rac{7}{10}$



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19. Write each of the following as decimals:

$$\frac{22}{10}$$
 (ii) $\frac{3}{2}$ (iii) $\frac{2}{5}$



$$40\frac{2}{5} \text{ (ii) } 39\frac{2}{10} \text{ (iii) } 4\frac{3}{5} \text{ (iv) } 25\frac{1}{2}$$



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21. Write the following decimals as fractions.

Reduce the fractions to lowest form: 3.8 (ii)

21.2 (iii) 6.4 (iv) 1.0



22. Represent the following decimal numberson the number line: 0.2 (ii) 1.9 (iii)1.1 (iv) 2.5



23. Between which two whole numbers on the number line are the given numbers? Which one is nearer the number? 0.8 (ii) 5.1 (iii) 2.6



24. Write the decimal number represented by the points on the given number line: A, B, C, D (Figure)



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25. 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.

$$200+70+2+rac{13}{100}$$
 (ii) $500+10+7+rac{15}{100}$



27. Write each of the following as decimals:

$$\frac{9}{100}$$
 (ii) $\frac{200}{1000}$



$$8\frac{1}{4}$$
 (ii) $2\frac{1}{8}$



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29. Write the following decimals as fractions.

Reduce the fractions to lowest form: 2.02

(ii) 0.01 (iii) 0.100



$$50+\frac{1}{10}+\frac{6}{100}\ \ 200+30+5+\frac{2}{10}+\frac{9}{100}$$
 (iii) $16+\frac{3}{10}+\frac{5}{1000}$



eight-hundredths

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31. 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 Watch Video Solution

32. Write each of the following as decimals:

$$137+rac{5}{100}$$
 (ii) $20+9+rac{4}{100}$



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33. Write each of the following as decimals:

$$\frac{8}{100}$$
 (ii) $\frac{300}{1000}$ (iii) $\frac{18}{1000}$



$$\frac{208}{100}$$
 (ii) $\frac{888}{1000}$



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35. Write each of the following as decimals:

$$12\frac{1}{4}$$
 (ii) $7\frac{1}{8}$ (iii) $5\frac{1}{20}$



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



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37. Write each of the following as decimals:

$$20 + 9 + \frac{4}{10} + \frac{1}{100}$$
$$30 + \frac{4}{10} + \frac{8}{100} + \frac{3}{1000}$$



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38. Write each of the following as decimals:

$$137+rac{5}{100}$$
 (ii) $rac{7}{10}+rac{6}{100}+rac{4}{1000}$



$$23+rac{2}{10}+rac{6}{1000}$$
 (ii) $700+20+5+rac{9}{100}$



40. Express the following fractions as decimals: $\frac{2}{10}$ (ii) $\frac{3}{10}$ (iii) $\frac{78}{100}$



41. Express the following fractions as decimals:

(i)
$$\frac{29}{1000}$$
 (ii) $\frac{379}{1000}$



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42. Express the following fractions as decimals: $\frac{79}{10}$ (ii) $\frac{785}{100}$ (iii) $\frac{1359}{1000}$.



43. Express the following fractions as decimals:

$$7\frac{1}{2}$$
 . (ii) $9\frac{1}{4}$



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44. Express the following decimals as fractions

in lowest form: 0.8 (ii) 3.5 (iii) 6.4



45. Express the following decimals as fractions

in lowest form: 0.05 (ii) 3.75 (iii)

0.004



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46. Express the following fractions as decimals: $\frac{23}{10}$ (ii) $\frac{129}{100}$ (ii) $\frac{4375}{1000}$



47. Express the following fractions as decimals:

$$12\frac{1}{2}$$
 (ii) $75\frac{1}{4}$ (iii) $25\frac{1}{8}$



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48. Express the following fractions as decimals: $39\frac{7}{35}$ (ii) $15\frac{1}{25}$



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49. Which is greater of 48.23 and 39.35?



50. Which is smaller of 0.58 and 0.84?



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51. Which is smaller of 12.457 and 12.48?



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52. Which is greater 1.09 or 1.093?

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

20.93



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

0.83



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55. Find the blanks by using > or < to complete the following: 0.236 ... 0.201 (ii) 0.93 ...



0.99

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56. Express as Rupees (Rs) using decimals: 15 (ii) 5 paisa 350 paisa paisa (iv) 2 rupees 60 paisa



57. Express as metres (m) using decimals:

15cm (ii) 8cm (iii) 135cm (iv) 3m 65cm



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58. Express as cm using decimals. (a) 5 mm (b)

60 mm (c) 164 mm (d) 9 cm 8 mm (e) 93 mm



59. Express as kilometre (km) using decimals:

5_m (ii) 55m (iii) 555m

5555m (v) 15km 35m



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60. Express as kilogram (kg) using decimals:

(ii) 150g (iii) 2750g 5kg 8g

750g (v) 36kg 50g



61. Express each of the following without using

decimals: Rs. 5.25 (ii) 8.354 kg (iii)

3.5 cm



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62. Express each of the following without

using decimals: 3.05 kg (ii)

7.54m (iii) 15.005kg 12.05m (v)

0.2m



63. Choose the decimal (s) from the brackets which is (are) not equivalent to the given decimals: 0.8 (0.80, 0.85, 0.800, 0.08)

(25.01, 25, 10, 25, 100, 25.001)

45.05 (45.050, 45.005, 45.500, 45.0500)



25.1

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64. 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



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65. Which of the following statements are correct? 8.05 and 7.95 are like decimals. 0.95, 0.306, 7.10 are unlike decimals. 3.70 and 3.7 are like decimals. 13.59, 1.359, 135.9 are like decimals. 5.60, 3.04, 0.45 are like decimals.



66. 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



67. 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



68. Add: 5.412.84 and 115.2



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



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70. Add: 15.44, 7.524 and 25



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71. Find the value of: 25.65 + 9.005 + 3.7



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



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

74. 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?



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75. Find the sum in each of the following: 1.

$$102.36 + 7.054 + 0.8 =$$

$$0.06 + 4.108 + 91.5 =$$

$$312.8 + 290.02 + 128.457 =$$

76. Find the sum in each of the following:

$$113.\ 36 + 6.\ 7 + 9.\ 34 + 30.\ 08 =$$

$$3.42 + 264.08 + 7.6 + 95.321 =$$

$$18.\ 003+41.\ 7+10.\ 95+5.\ 057$$



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77. 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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78. Find the sum in each of the following:

0.007 + 8.5 + 30.08 280.69 + 25.2 + 38

25.65 + 9.005 + 3.727.076 + 0.55 + 0.004



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79. Find the sum in each of the following:

0.007 + 8.5 + 30.08 280.69 + 25.2 + 38

25.65 + 9.005 + 3.727.076 + 0.55 + 0.004



80. Radhikas mother gave her Rs 10.50 and her father gave her Rs 15.80, find the total amount given to Radhika by the parents.



81. 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



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82. 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



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83. 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?



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84. Subtract 1.85 from 5.46.



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85. Subtract 25.96 from 51.2



86. Find the value of 11.6 - 9.847



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



88. 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?



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89. 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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90. 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.



91. Subtract: 46.23 - 37.5 = (ii)

 $128. \ 4 \ - \ 53. \ 05 \ = \ 45. \ 03 \ - \ 27. \ 80 \ = \ \ \text{(iv)}$

23.93 - 5.946 =



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

 $21.\ 05\ -\ 15.\ 27$ $18.\ 5\ -\ 6.\ 79$ (iv)

48.1 - 0.37



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

 $91.\ 001 - 72.\ 9\ 32.\ 7 - 25.\ 86$ (iv) $100 - 26.\ 32$



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



95. Urmilas 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?



96. 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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97. 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?



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



99. 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?

100. 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?



101. 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?

102. 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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103. 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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104. $\frac{3}{10}$ is equal to 3.1 (b) 1.3 (c) 0.3 (d) 0.03



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105. $\frac{7}{100}$ is equal to 7.1 (b) 7.01 (c) 0.7 (d) 0.07



106. $\frac{4}{1000}$ is equal to 0.004 (b) 0.04 (c) 0.4 (d)

4.001



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107. The value of $\frac{42}{10000}$ in decimal fraction is

0.0042 (b) 0.00042 (c) 0.0420 (d) 0.0420



108. The place value of 5 in 0.04532 is 5 (b)

$$\frac{5}{100}$$
 (c) $\frac{5}{1000}$ (d) $\frac{5}{10000}$



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109. The value of $\frac{231}{1000}$ is 0.231 (b) 2.31 (c) 23.1 (d) 0.0231



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



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111. The value of $\frac{3}{25}$ is 1.2 (b) 0.12 (c) 0.012 (d)

None of these



112. 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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113. $4\frac{7}{8}$ is equal tl 4.78 (b) 4.87 (c) 4.875 (d)

None of these



114.
$$2+\frac{3}{10}+\frac{5}{100}$$
 is equal to 2.305 (b) 2.3 (c)

2.35 (d) 0.235



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115.
$$\frac{3}{100} + \frac{5}{10000} = ? 0.35$$
 (b) 0.305 (c)

0.0305 (d) 0.035



116. 1cm is equal to: 0.1m (b) 0.01m (c) 0.10m (d) 0.001m



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117. 1m is equal to 0.1km (b) 0.01km (c)

0.001km (d) 0.0001km



118. 2kg 5gm is equal to 2.5kg (b)

2.05kg (c) 2.005kg (d) 2.6kg



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119. 15 litres and 15ml is equal to: 15.15

litres (b) 15.150 litres 15.0015

litres (d) 15.015 litres



120. 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



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121. $555.\ 05 + 55.\ 5 + 5.\ 55 + 5 + 0.\ 55 = ?$

(a) 621.65 (b) 634.85 (c) 647.35 (d) 655.75 (e)

None of these



122. 0.35 - 0.035 is equal to: 0.3 (b) 0.349 (c)

0.315 (d) 0.353



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123. 2.5 + 3.05 - 4.005 is equal to: 1.545 (b)

1.455 (c) 1.554 (d) 0.545



124. Which is greater among

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

(d) 2.05



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125. The fraction $\frac{173}{1000}$ in decimal form is: 17.3

(b) 1.73 (c) 0.173 (d) 0.0173



126. The fraction $\frac{173}{1000}$ in decimal form is: 17.3

(b) 1.73 (c) 0.173 (d) 0.0173



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127. The value of $\frac{42}{10000}$ in decimal fraction is

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



128. The fraction $\frac{173}{1000}$ in decimal form is: 17.3

(b) 1.73 (c) 0.173 (d) 0.0173



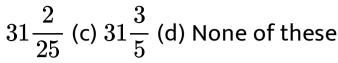
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129. The value of $2\frac{19}{100}$ in decimal form is: 2.19

(b) 2.019 (c) 0.219 (d) 21.9



130. 31.08 as a mixed fraction is: $31\frac{1}{25}$ (b)





131.
$$2 + \frac{3}{10} + \frac{4}{100} = ? 2.304$$
 (b) 0.403 (c)

2.34 (d) 2.43



132.
$$\frac{3}{100} + \frac{5}{10000} = ? 0.35$$
 (b) 0.305 (c)

0.0305 (d) 0.035



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133.
$$\frac{5}{10} + \frac{3}{100} = ? 0.53$$
 (b) 0.053 (c) 0.35 (d)

0.035



134. 9. 02 - 5. 7 = ? 3.32 (b) 3.23 (d) 2.32 (d)

None of these



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135. Convert $2\frac{9}{40}$ into a decimal fraction.



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136. Convert the following decimals into fractions in simplest form: 0.025 (ii) 0.35

(iii) 0.075



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137. What number subtracted from 18.5 gives 6.2376? 0.52314, 052313, 0.53201, 0.52321



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138. Convert the following decimals as fractions: 2.3675 (ii) 54.26 (iii) 75.35 (iv) 0.7575



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



140. Shikha bought 2m 5cm cloth for her salwar and 3m 35cm cloth for her shirt. Find the total length of cloth bought by her.



141. 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.



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142. Evaluate the following:

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



143. What number added to 3.56 gives 23.018?



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144.
$$\frac{34}{10000} =$$



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145.
$$1m = \ddot{k}m$$



146. $7kg\ 15g = \ddot{k}g$



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147. $2l\ 5ml=\dot{l}$



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148. $2m\ 5cm = \dot{m}$



