



Sahi Prep Hai Toh Life Set Hai

MIXTURE & ALLIGATION Part-2



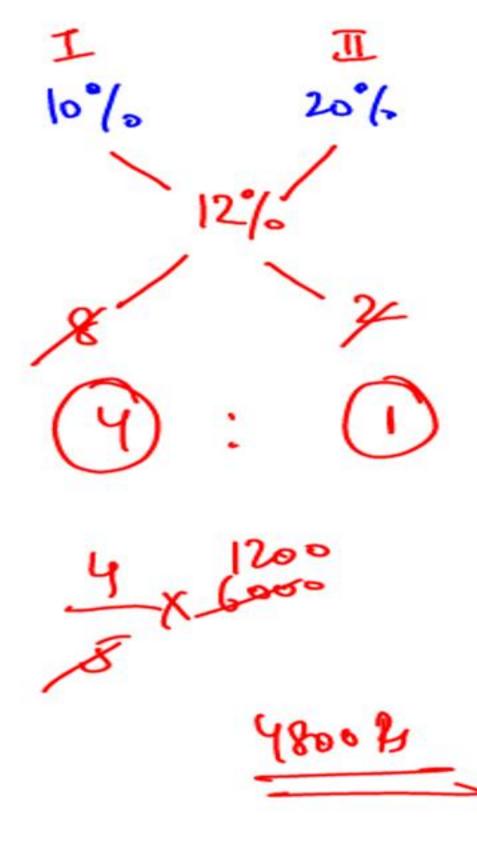
Agenda

Application of Allegation

14-15 Question







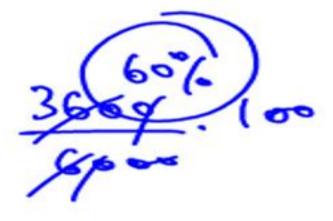
Q. Some amount out of Rs.6000 was lent out at 10% per annum and the rest amount at 20% per annum and thus in 5 years the total interest from both the amount collected was Rs.3600. What is the amount which was lent out at 10% per annum?

(a) 4500

(b) 4800

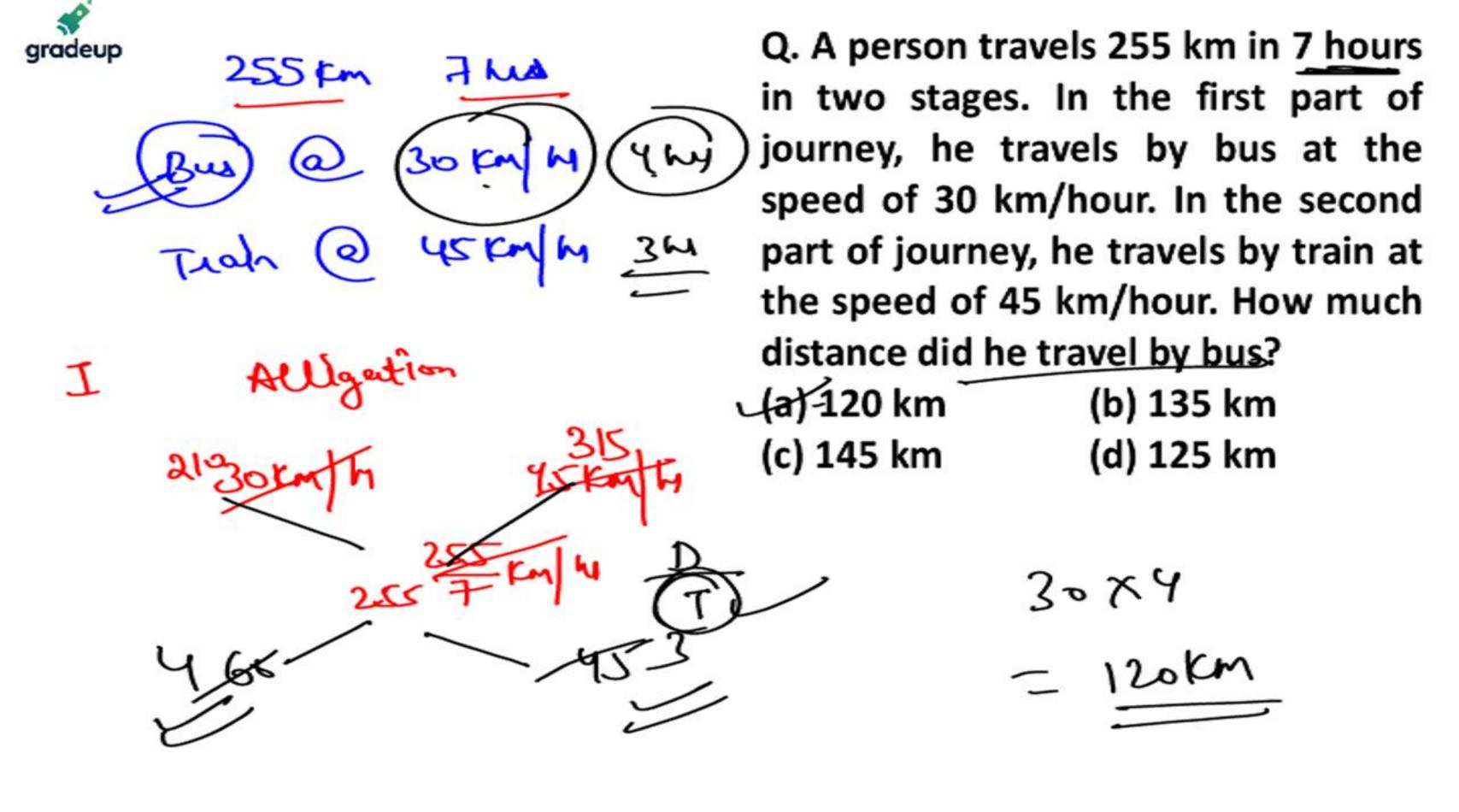
(c) 5200

(d) 3600





Ans. (b)



255 Km

Thy

Bus Train Dew??
30km/4 45km/4

equation approach

30 +510-20 90 D = 120 km



Ans. (a)

TING

Logical Approad

255 km

Bus Train 30 km/m (45 km/m)

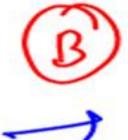
30×7 - 210

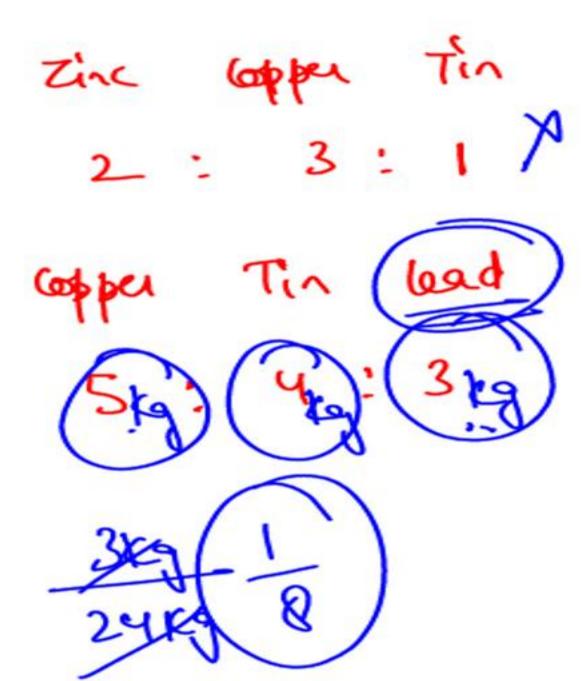
extra 45

4×30= 120 KM







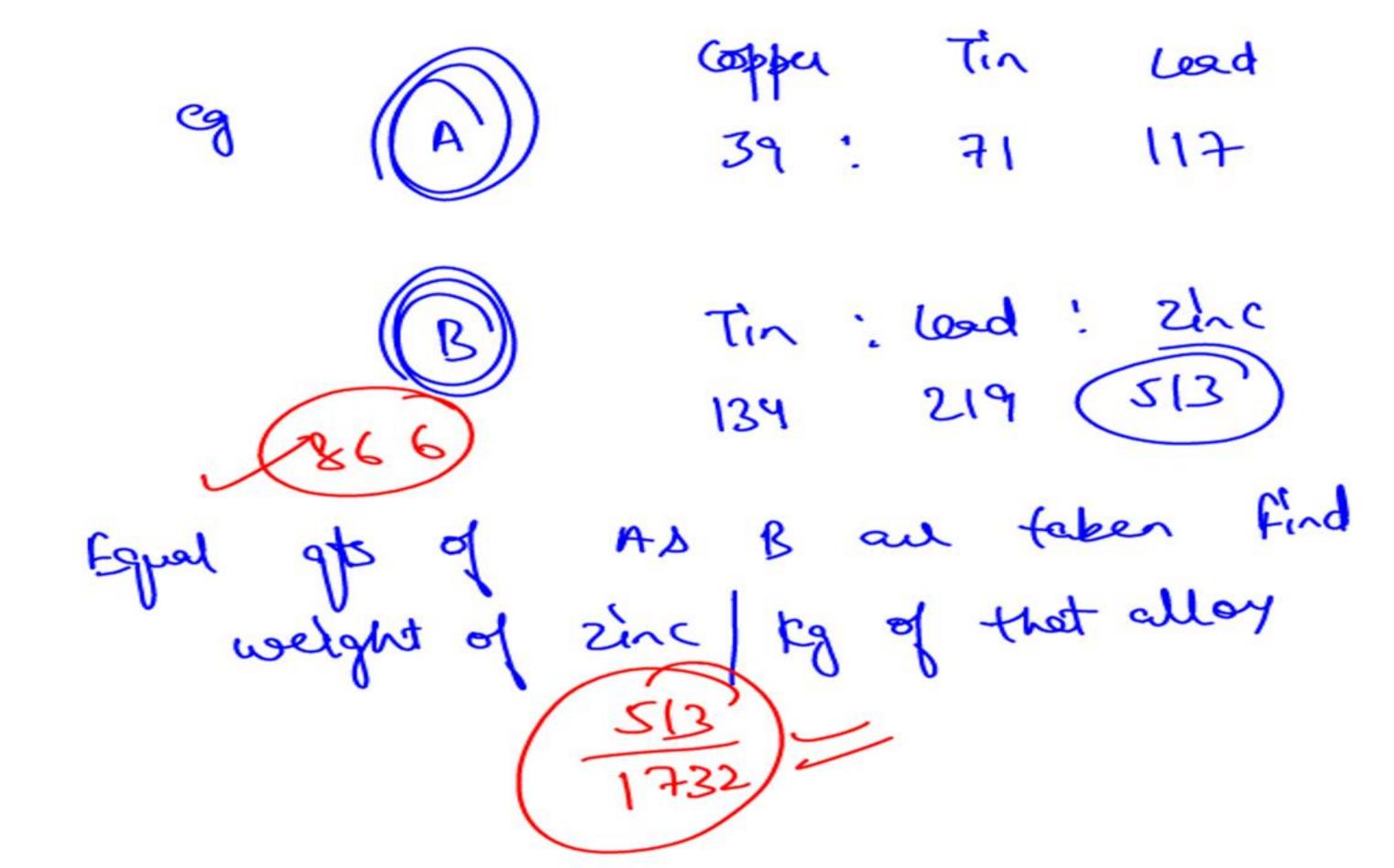


Q. An alloy contains zinc, copper and tin in the ratio 2:3:1 and another contains copper, tin and lead in the ratio 5:4:3. If equal weights or both alloys are melted together to form a third alloy, then the weight of lead per kg in the new alloy will be

(a) 1/2 Kg. (b) 1/8 Kg.

(c) 3/14 Kg. (d) 7/9 Kg.

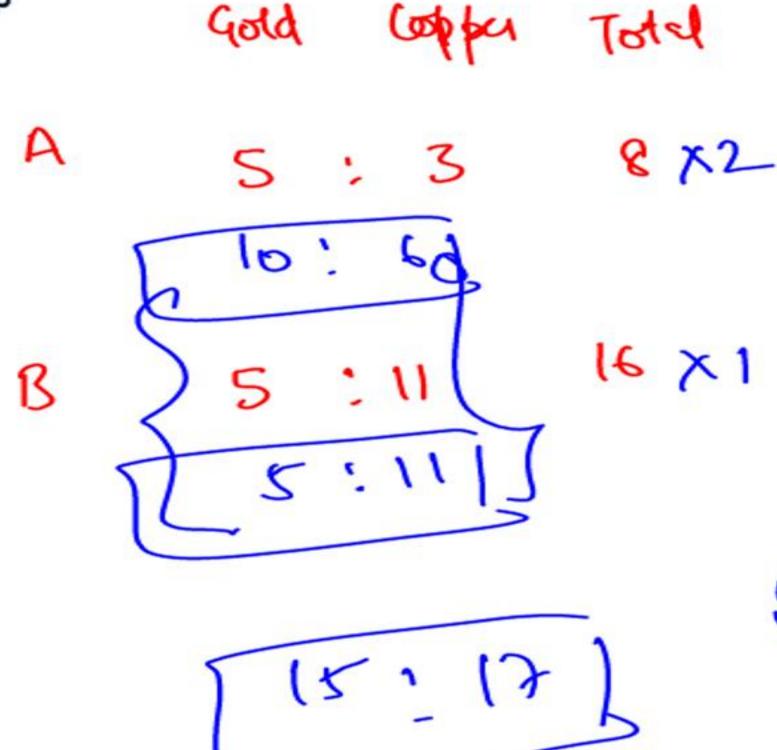






Ans. (b)





Q. A and B are two alloys of gold and copper prepared by mixing metal in the ratio 5:3 and 5:11 respectively. Equal quantities of these alloys are melted to form a third alloy C. The ratio of gold and copper in the alloy C is

(a) 25:33

(b) 33:25

(e) 15:17

(d) 17 : 15





Ans. (c)



TI

inffusic 1

I 3 : 2 5 x 6

[18 : 12]

7:3 10×3

21:91

III : 4 15 x 2

22:81

Q. There are three containers of equal capacity. The ratio of sulphuric acid to water in the first container is 3:2, that in the second container is 7:3 and in the third container it is 11:4. If all the liquids are mixed together then the ratio of sulphuric acid to water in the mixture will be.

(a) 61:29

(b) 61:28

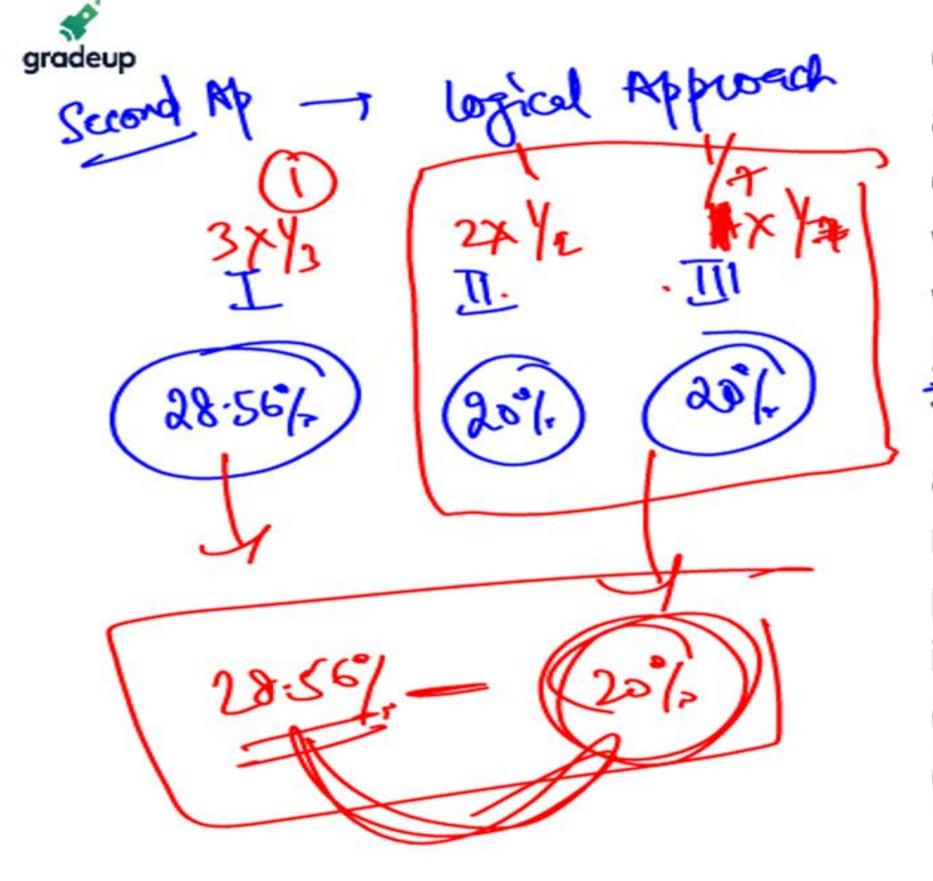
(c) 60:29

(d) 59:29

61:29



Ans. (a)



Q. Three vessels whose capacities are in the ratio of 3:2:1 are completely filled with milk mixed with water. The ratio of milk and water in the mixture of vessels are 5:2, 4:1 and 4:1 respectively. Taking 1/3 of first, 1/2 of second and 1/7 of third mixtures, a new mixture kept in a new vessel in prepared. The percentage of water in the new mixture is.

(a) 32 (b) 28 (c) 30 (d) 24

apratics gradeup M: W=5.2 M; W = 41.1 M:W = 4:1





Ans. (d)



+

B

Acid' water

Acid: water

65 \$ 3/50

Q. Acid and water are mixed in a vessel A in the ratio of 5:2 and in the vessel B in the ratio 8:5. In what proportion should quantities be taken out from the two vessels so as to form a mixture in which the acid and water will be in the ratio of 9:4?

(a) 7 : 2

(b) 2:7

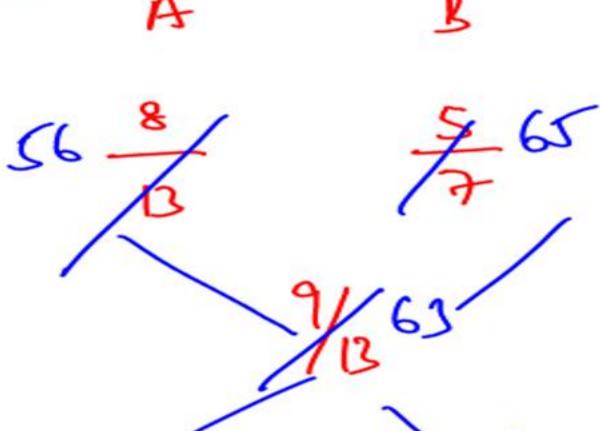
(c) 7 : 4

(d) 2:3



Ans. (a)





Q. Two vessels A and B contain milk and water mixed in the ratio 8:5 and 5:2 respectively. The ratio in which these two mixtures be mixed to get a new mixture containing $69\frac{3}{13}\%$ milk is

(a) 3:5

(c) 5:7

(b) 5 : 2

(d) 2:7



Ans. (d)

gradeup

Eg. Correct = +4100 Questions

Wrong = -1Marks → 290

Attempted → All

How many questions he marked wrong?

Lieu eg in 2 variables

Let conced-s x wrong-sy

xty = (00

x= 78 (y=22

Deser eggin I vousel Contect - 3 100 - n ways x

Let wrong -3 x

4(100-2)-1.290



without variables Cornect -> +4 Question - 100 Score -> 290 mong -1 100.4 400 evary

gradeup

INM

Alligation (Bed Approach)

1009 290

Correct

Wrong

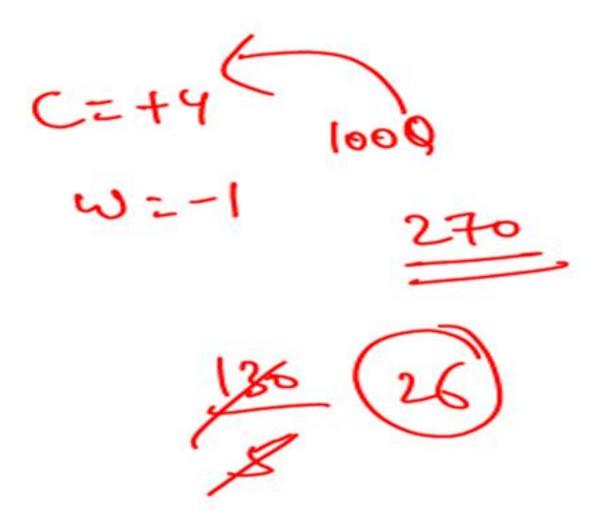
2.9

3-4

(11)

11 x tos - 220m





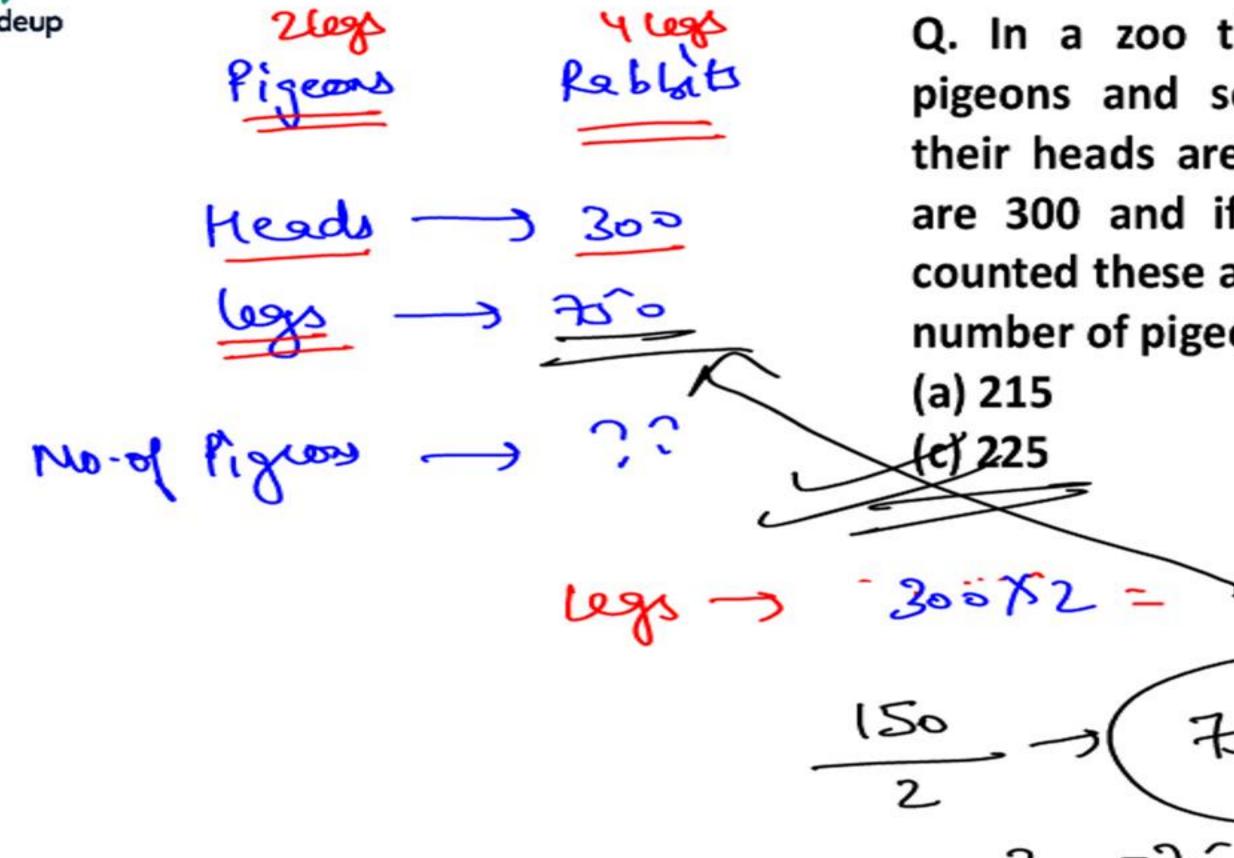
Q. In an objective exam of 100 questions, 4 marks are allotted for every correct answer and 1 mark is deducted for every wrong answer. After attempting all the questions, a student got the total of 270 marks, Find the number of that he attempted questions wrong.

- (a) 74 (b) 46
- (c) 26 (d) None of these



Ans. (c)





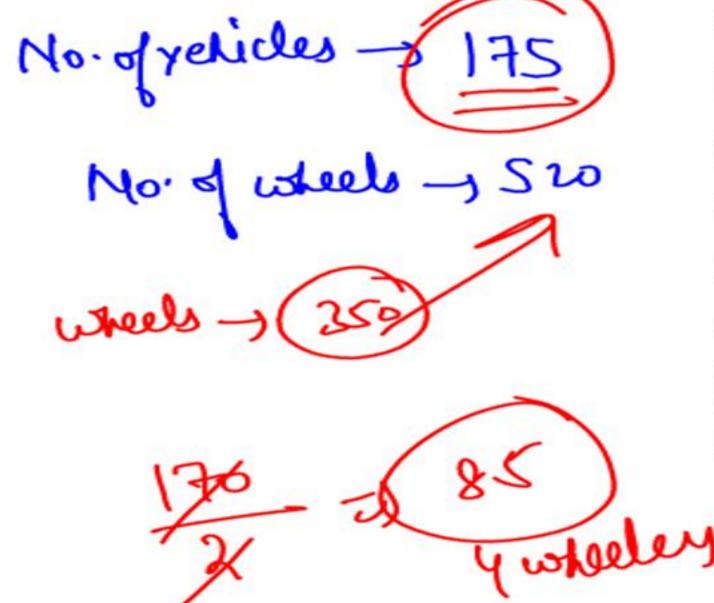
Q. In a zoo there are some pigeons and some rabbits. If their heads are counted these are 300 and if their legs are counted these are 750. Find the number of pigeons in the zoo.



Ans. (c)

Rassits Pigross reads -





Q. In a parking there are some two wheelers & rest are four wheelers. If wheels are counted, there are total 520 wheels but the incharge of the parking told that there are only 175 vehicles. Find the number of two wheelers?

(a) 108

(b) 95

(c) 72

(d) 90



Ans. (d)



Eg.

A Rs.20/pen

Rs.30/pen

Rs.50/pen

In what ratio I, should purchase 3 varieties of pen, so that my average price/pen is Rs.40?

Seln

But be det

20x + 30y + 502 = 40x +40y +402

20x + 60y = 102

2x +4y = 21

Sobjer (00 B) per 30.B/per Average price CX 1: 1: 1 Sportant (w) 2:1:2 × 30x + 107 = 402 (7) 6:2:5 (3x+y=42) (in) 2:6:3 (i), (iii), (iv), (vi)_ (v) 3:4:5 N (ii) 7:3:6



120 144 174 Average - 3(141)

21n = 3y +33z

7x= y+112

Q. In what ratio must a person mix three kinds of wheat costing him Rs. 1.20, Rs. 1.44 and Rs. 1.74 per kg, so that the mixture may be worth Rs. 1.41 per kg?

(a) 12:7:7

(b) 7:12:17

(c) 12:11:5

(d) 5:8:7





Ans. (a)





Sahi Prep Hai Toh Life Set Hai

Practise topic-wise quizzes

Keep attending live classes

