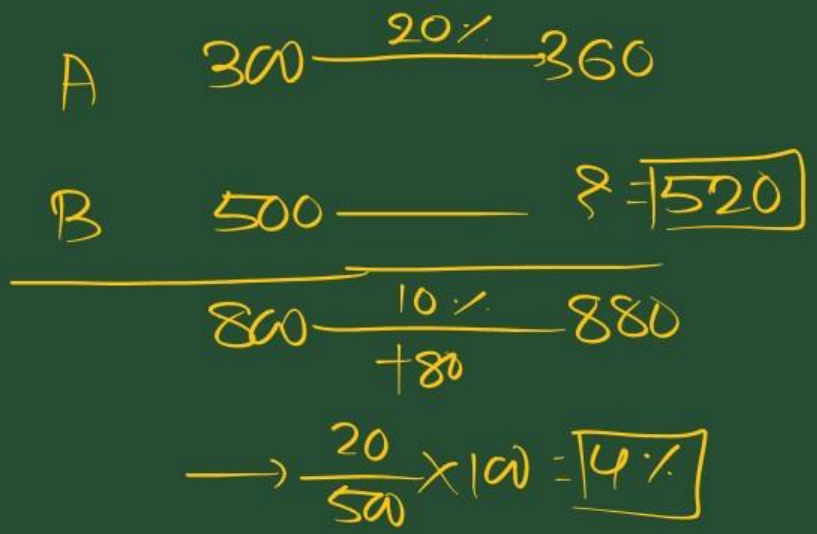
Weight of A and B are in the ratio of 3:5. If the weight of A is increased by 20 percent and then the total weight becomes 132 kg with an increase of 10 percent. B weight is increased by what percent.

1. 7%
(b) 8%
(c) 9%
(d) 4%
(e) None



In an examination it is required to get 290 of the aggregate marks to pass. A student gets 203 marks and is declared failed by 12% of total marks, what are the maximum aggregate marks a student can get?

A. 775
B. 750
C. 725
D. Can't be determined
E. None

290 - 203 = 87 ——— 12%

? ——— 100%

$$? = \frac{87 \times 100}{12} = 29 \times 25 = 725$$

Akash scored 73 marks in subject A. He scored 56% marks in subject B and X marks in subject C.Maximum marks in each subject were 150. The overall percentage marks obtained by Akash in the three subjects together were 54%. How many marks did he scored in subject C

A 84
B 86
C 79
D 73
E None of these

A = 73 = 73

B = 56% of 150 = 84

C = ?

A+B+C = 54% of 450 = 243

(150 × 3)

A+B+C = 243

73+84+C = 243

C = 243 − 157

C = 86

A person spends 40% of his salary on his educational expenses. He spends 60% of it in purchasing books and one-half of the remaining in purchasing stationery items. If he saves Rs. 160 every month, which is one-fourth of the balance after spending over books and stationery items, what is his monthly salary ?

a) Rs. 8000
b) Rs. 4800
c) Rs. 9600
d) Data inadequate
e) None of these

$$\left(x \times \frac{40}{100}\right) \times \frac{2}{5} \times \frac{1}{2} \times \frac{1}{4} = 160$$

$$x = 160 \times 50 = 8000$$

Mr. Amar spends 50% of his monthly income on household items and out of the remaining he spends 25% on travelling, 30% on entertainment, 15% on shopping and remaining amount of Rs. 900 is saved. What is Mr. Amar's monthly income?

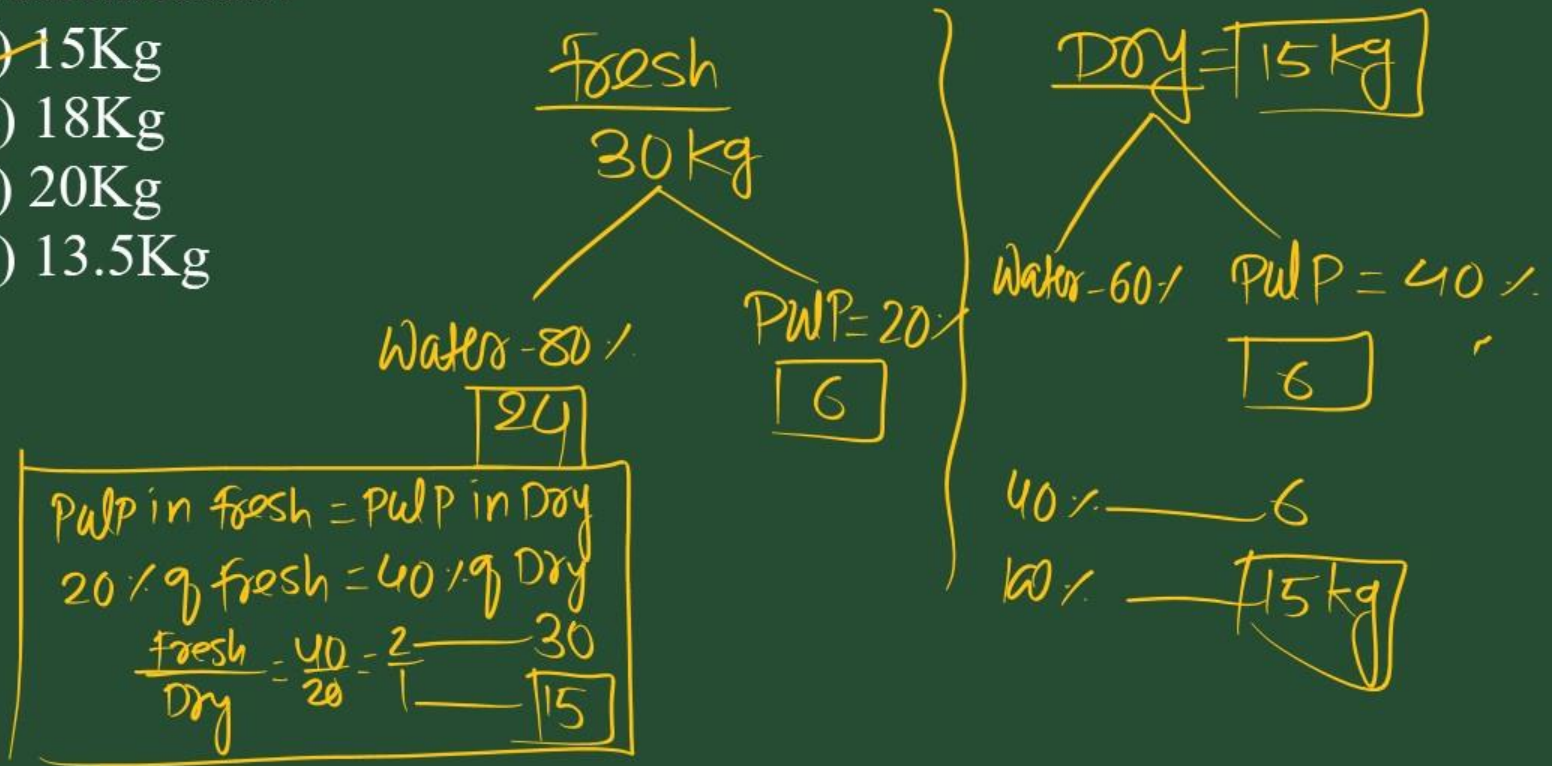
1. Rs. 6,000
(b) Rs. 12,000
(c) Rs. 9,000
(d) Cannot be determined
(e) None

$$x \times \frac{1}{2} \times \frac{3}{10} = 900$$

$$x = 6000$$

30 Kilograms of fresh watermelon contains 80% water. After some time water remains 60% in the fruit. Find the present weight of watermelons?

a) 15Kg
b) 18Kg
c) 20Kg
d) 13.5Kg



Fresh fruits contain 75% while dry fruits contain 20% water. If the weight of dry fruits is 300 kg, what was its total weight when it was fresh?

1. 900kg
2. 850kg
3. 920kg
4. 960kg
5. None of these

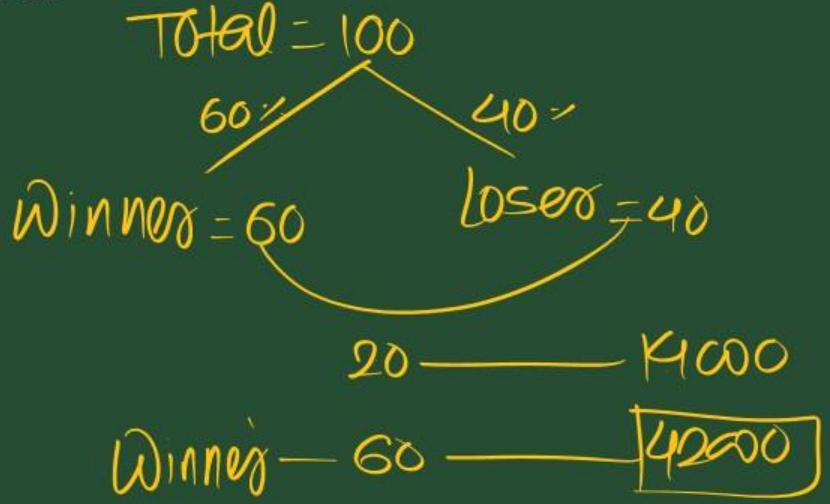
Pulp in fresh = Pulp in Dry

25 % of fresh = 80 % of Dry

$$\frac{\text{Fresh}}{\text{Dry}} = \frac{80}{25} = \frac{16}{5} \quad \begin{matrix} \times 60 \\ \times 60 \end{matrix} \quad \begin{matrix} 960 \\ 300 \end{matrix}$$

In an election between two candidates, the candidate getting 60% of the votes polled is elected by a majority of 14,000 votes. The number of votes obtained by the winning candidates is

1. 40000
(b) 44000
(c) 42000
(d) 48000
(e) 50000



In an election, 20% voters did not cast their votes while 10% votes were declared invalid. If the winner got 55% of valid votes and won by 36 votes, then find total number of voters who casted their votes? If it is given that there were only two candidates.

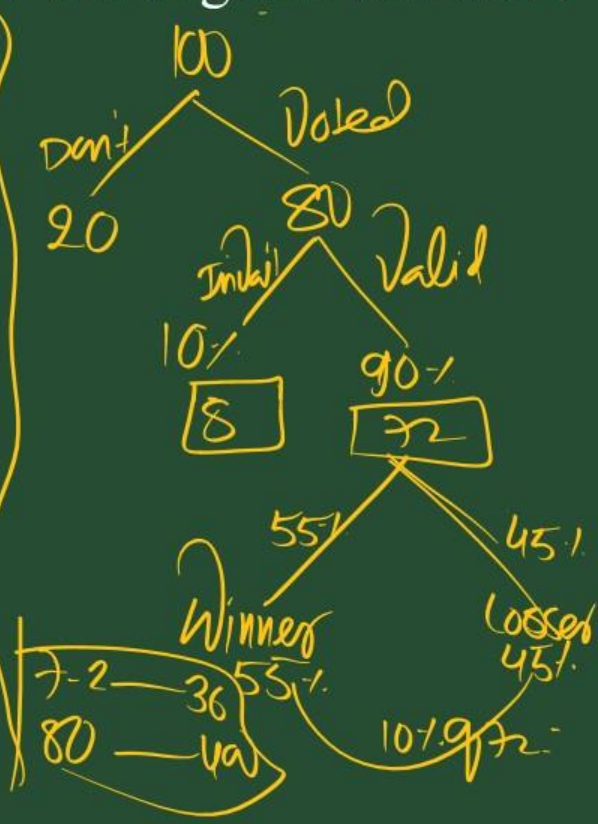
1. 400
(b) 500
(c) 360
(d) 420
(e) 480

Total = x

$x \times \frac{4}{5} \times \frac{9}{10} \times \frac{1}{10} = 36$

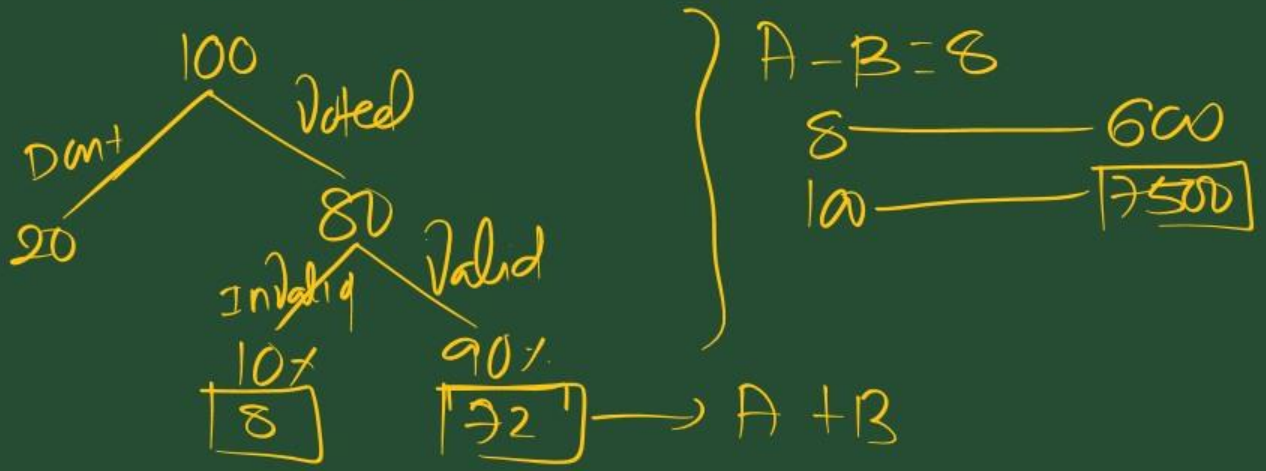
$x = 500$

Voted = 80% of 500 = 400



A and B candidates participated in an election. 20% of voters did not participate in the voting. 10% of polled votes are invalid. A received 50% votes of polling and winner by a margin of 600. Total new of voters in a village are?

a) 2500
b) 2700
c) 2800
d) 3000
e) None



In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was :

a) 2500
b) 2700
c) 2900
d) 3100
e) None