Q1. If A's height is 40% less than that of B, how much percent B's height is more than that of A? [Level 1, Wipro]

A.66.66% B. 76.66% C. 96.66% D. 86.66%
Ans: A
Solution:
B = 10, A = 6; Required percentage = (4/6) x 100 = 66.66%

Q2. The weight of an iron bucket increases by 33.33% when filled with water to 50% of its capacity. Which of these may be 50% of the weight of the bucket when it is filled with water (assume the weight of bucket and its capacity in kg to be integers)? [Level 3, TCS]

A. 7 KG B. 6 KG C. 5 KG D. 8 KG
Ans: C
Solution:
Here weight bucket=x and water when filled 50% its weight=y
so x + y =1.33 x
so x=3y

now in second case u need to find x + 2y
Now if u take 50% weight = 5
then full weight 10
bucket weight=6 so as per 33.33 % condition water weight 2(50% water weight) (because x=3y)
so finally bucket weight =6 + water weight 4 =10
50% weight =5 kg

Q3. How many min does Aditya take to cover a distance of 400 m, if he runs at a speed of 20 km/hr? [Level 2, Wipro]

A. 6/5min B. 21/5min C. 5min D. 2min
Ans: A
Solution:
Speed = 20 km/hr = 20000/60 metres/min
Time = (400 x 60/20000) = 6/5 min

Q4. Two motor cars were sold for Rs 9,900 each, gaining 10% on one and losing 10% on the other. The gain or loss per cent in the whole transaction is: [level 2, Accenture]

A. Neither loss no gain B. (1/99) % gain C. (99/100) % profit D. 1% loss
Ans: D
Solution:
Loss% = (10^2)/100 % = 1% Loss

Q5. A and B are two stations 330 km apart. A trains starts from A at 8 a.m. and travels towards B at 60kmph. Another trains starts from B at 9 a.m. and travels towards A at 75kmph. At what time do they meet? [Level 2, Wipro]

A. 11 a.m. B. 11:30a.m. C. 9:30a.m. D. 10:40a.m.
Ans: A
Solution:
Till 9 AM, Train A covers = 60 Km
Now, Relative distance = 330 – 60 = 270 KM
Time = 270/(60 + 75) = 2 hrs
Trains will meet at 11 AM.

Q6. The compound interest on a certain sum for 2 years at 10% per annum is Rs 1260. The simple interest on the same sum for double the time at half the rate per cent per annum is
[Level 2, Wipro]

A. Rs 1200 B. Rs 1160 C. Rs 1208 D. Rs 1175
Ans: A
Solution:
Let the sum be Rs. x.
Then x[(1+10/100)^2 – 1] = 1260
⇒ x = 6000
For S.I., P = 6000
Then S.I. = (6000 x 5 x 4)/100 = 1200

Q7. What will be the ratio of simple interest earned by certain amount at the same rate of interest for 6 years and that for 9 years? [level 1, Capegemini]
A. 1: 3 B.1: 4 C.2: 3 D. Data inadequate
Ans: C
Solution:
Require ratio = Ratio of time since Principal and rate of interest are same.

Q8. If average of 20 observations X_1, X_2, ..., X_{20} is y, then the average of (X_1 -101), (X_2-101),.....(X_{20}-101) is [Level 1, Accenture, Microsoft]
A. y-20 B. y-101 C. 20y D. 101y
Ans: B
Solution:
New Average = Old Average – Common Value subtracted from each number = y -110

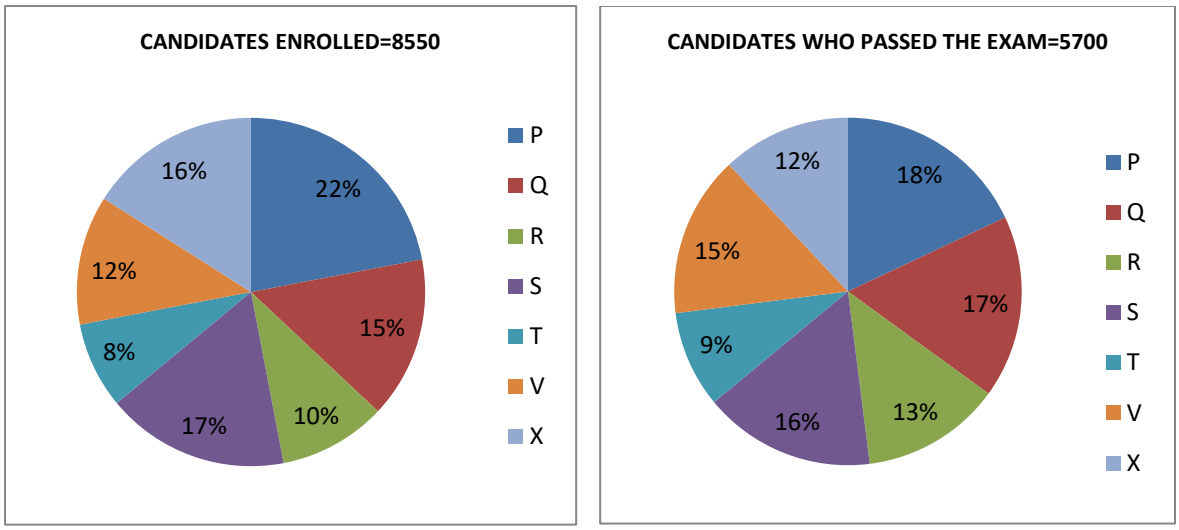
Q9. The average age of husband, wife and their child 3 years ago was 27 years and that of wife and the child 5 years ago was 20 years. The present age of the husband is
[level 2, Wirpo, TechM]

A.40 B. 35 C. 45 D. 55
Ans: A
Solution:
Sum of the present ages of husband, wife and child = (27 x 3 + 3 x 3) years = 90 years.
Sum of the present ages of wife and child = (20 x 2 + 5 x 2) years = 50 years.
Husband's present age = (90 - 50) years = 40 years.

Q10. One day, a boy from his house walks at a speed of 5 km/hr and reaches his school 2 minutes late. Next day he increases his speed by 1 km/hr and reaches the school 2 minutes early. How far is the school from his house? [level 2, Wirpo, TechM]
Select one:
A. 2 km B. 3 km C. 4 km D. 5 km
Ans: A
Solution:
S1/S2 = T2/T1
So, T1/T2 = 6/5
Difference between T2 and T1 = 4 minutes
So, 6x – 5x = 4 minutes
X = 4 minutes
T1 = 6x = 24 minutes
Distance = 5 x (24/60) = 2 KM

Q11. Study the following chart carefully & answer the questions.

Distribution of candidates who were enrolled for MBA entrance exam & the candidates (out of those enrolled) who passed the exam in different institutes.



What percent of candidates passed the Exam from institute T out of the total number of candidates enrolled from the same institute?

a)50% b)62.5% c)75% d)80%

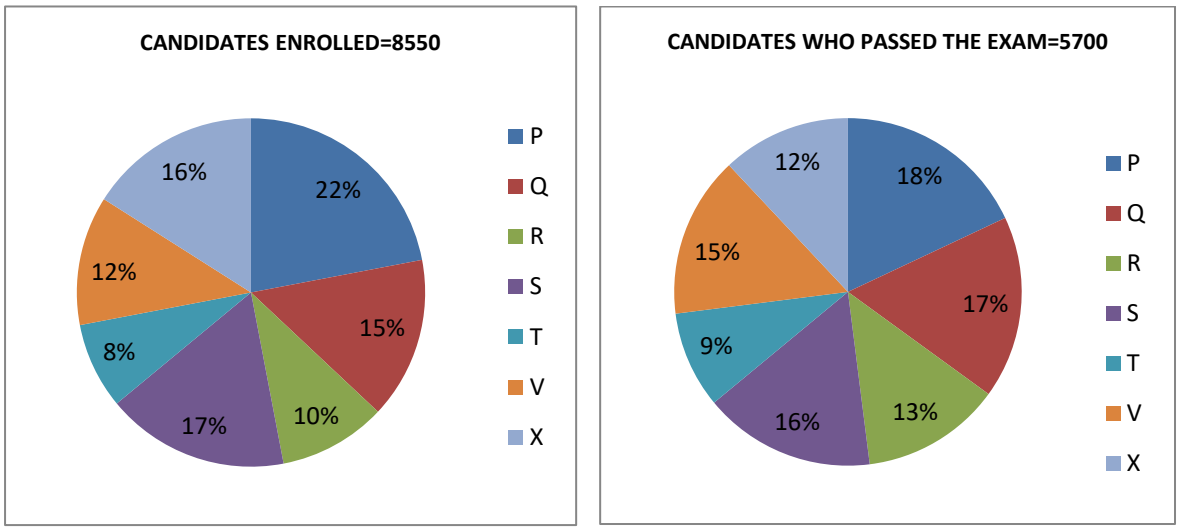
Ans: C

Solution:

[(9% of 5700)/(8% of 8550)] x 100 = 75%

Q12. Study the following chart carefully & answer the questions.

Distribution of candidates who were enrolled for MBA entrance exam & the candidates (out of those enrolled) who passed the exam in different institutes.

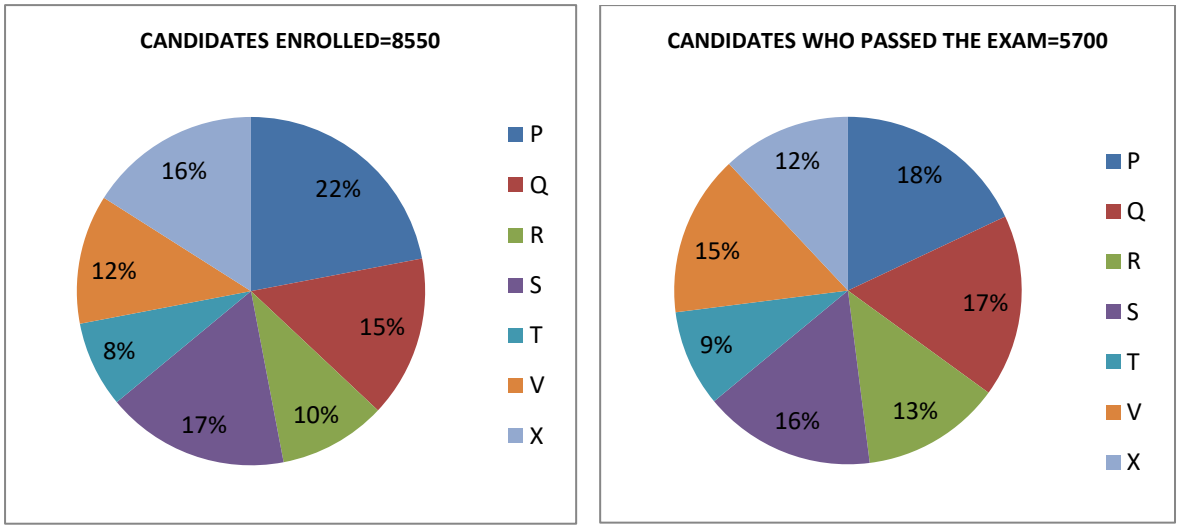


What is the ratio of candidates passed to the candidates enrolled from institute P?

a) 9 :11 b)14:17 c)6:11 d)9:17
Ans: C
Solution:
Required ratio = 18% of 5700 : 22% of 8550 = 6 : 11

Q13. Study the following chart carefully & answer the questions.

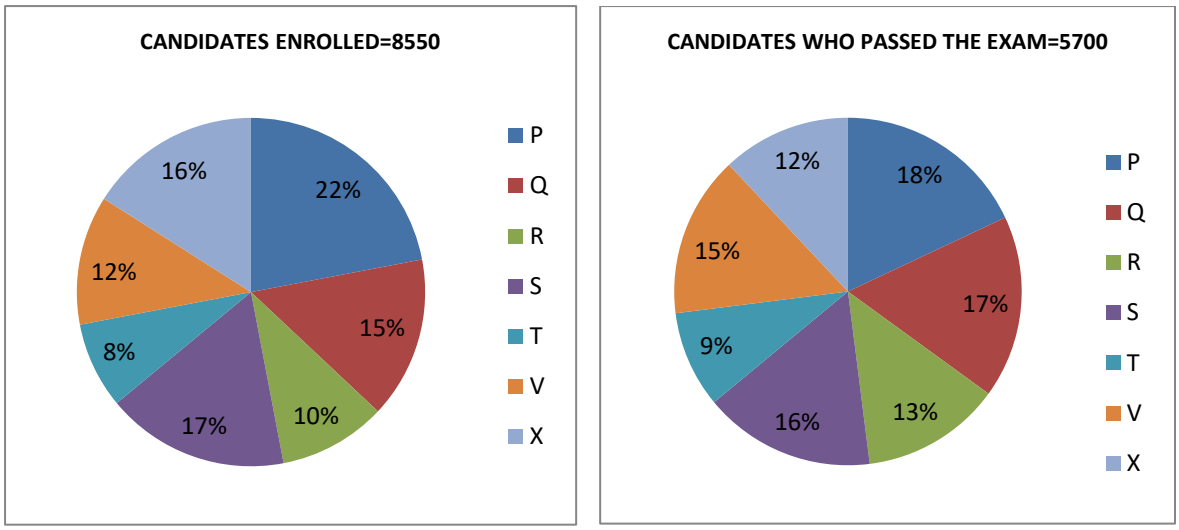
Distribution of candidates who were enrolled for MBA entrance exam & the candidates (out of those enrolled) who passed the exam in different institutes.



What is the percentage of candidates passed to the candidates enrolled for institutes Q and R together?
a)68% b)80% c)74% d)65%
Ans: B
Solution:
Candidates passed from institutes Q and R together = [(13% + 17%) of 5700]
= 30% of 5700.
Candidates enrolled from institutes Q and R together = [(15% + 10%) of 8550]
= 25% of 8550.
Therefore Required Percentage = [(30% of 5700 / 25% of 8550) x 100]% = 80%

Q14. Study the following chart carefully & answer the questions.

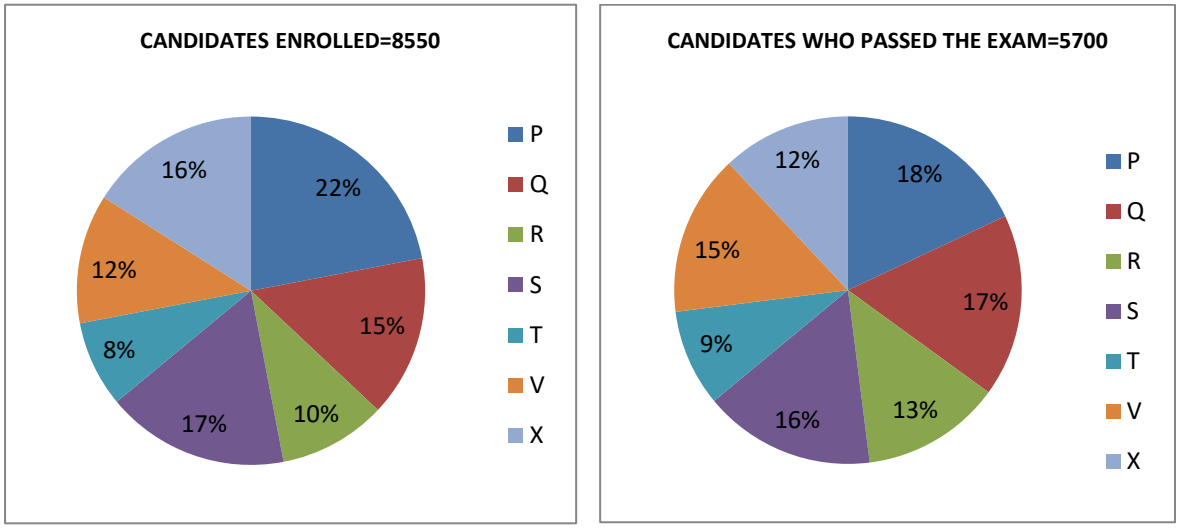
Distribution of candidates who were enrolled for MBA entrance exam & the candidates (out of those enrolled) who passed the exam in different institutes.



Which institute has the highest percentage of candidates passed to the candidates enrolled?
a)Q b)R c)V d)T
Ans: B
Solution:
Calculate passing percentage for each individually and then compare.

Q15. Study the following chart carefully & answer the questions.

Distribution of candidates who were enrolled for MBA entrance exam & the candidates (out of those enrolled) who passed the exam in different institutes.



The number of candidates passed from institutes S and P together exceeds the number of candidates enrolled from institutes T and R together by:
a)228 b)279 c)399 d)407
Ans: C
Solution:
Required difference = [(16% + 18%) of 5700] - [(8% + 10%) of 8550]
= [(34% of 5700) - (18% of 8550)]
= (1938 - 1539)= 399.