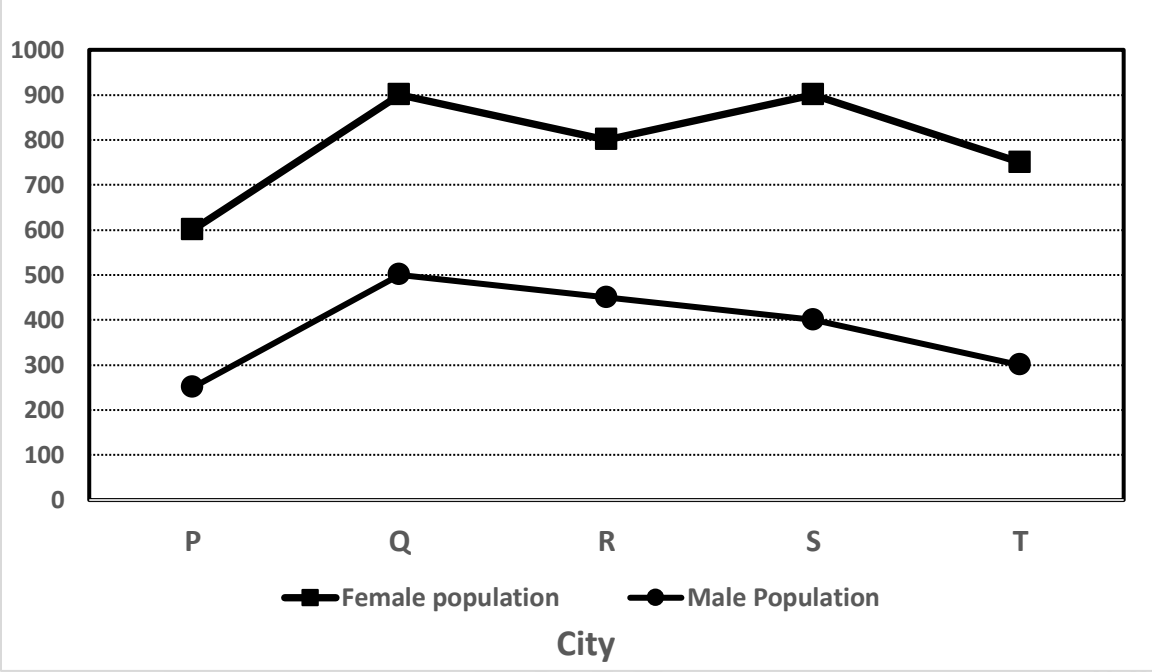
Study the following graph carefully to answer the questions that follow:

The given line graph shows the data of male and female population in five different cities.



(Total population = Male population + Female population)

1. Approximately what per cent of the total population of city P is more or less than that of city S?
   a) 45% b) 35% c) 57% d) 30% e) 60%
2. If in city P, the ratio of male graduates to female graduates is 3 : 2 and the total graduates in the city are 60% of the total population find the population of females who are not graduates.
   a) 120 b) 396 c) 290 d) 170 e) 235
3. What is the average of male population in all cities?
   a) 460 b) 455 c) 440 d) 380 e) 430
4. Female population in city R is what per cent of male population in city T? (upto two decimal places)
   a) 390.26% b) 387.56% c) 284.65% d) 185.56% e) 266.66%
5. In city Q and R, the ratio of postgraduates is 10 : 11. The total number of postgraduates in Q is equal to the total population of city P. Find the ratio of non-postgraduate population of city Q to that of city R.
   a) 110 : 63 b) 118 : 83 c) 127 : 107 d) 113 : 91 e) None

In these questions two quantities number I and II are given. You have to solve both the equations and find out the correct option.

1) Quantity I > Quantity II
2) Quantity I ≥ Quantity II
3) Quantity I = Quantity II or no relation can be establishes
4) Quantity I < Quantity II
5) Quantity I ≤ Quantity II

6. A can complete a piece of work in 14 days while B can complete in 28 days. A and B work on alternate days.
   Quantity I : Time taken by them to complete the work if A starts on day one.
   Quantity II : Time taken by them to complete the work if B starts on day one.

7. The largest possible right circular cylinder is cut out cutting out the cylinder.
   Quantity I : The volume of the cube left over after cutting out the cylinder.
   Quantity II : $62cm^3$

8. **Quantity I** : If Vijay can swim downstream at 4 km/hr and upstream at 1 km/hr then what is his speed in still water?
   Quantity II : Shikha can row upstream at 6 km/hr and downstream at 10 km/hr. What is the speed of the stream?
9. **Quantity I** : The sum of the present ages of Jay, Pratik and Sujay is 80 years. Eight years ago, the ratio of their ages was 1 : 3 : 4. What is the present age of Pratik?
   Quantity II : Ajit is 2 years older than Bimlesh, who is now 4 times as old as Ranjit. Ranjit is now 4 years old. What was Ajit's age when Ranjit was born?
10. **Quantity I** : A box contains 5 black, 4 red and 3 white marbles. Three marbles are drawn at random. What is the probability that all the drawn marbles are not of the same colour?
    Quantity II : 47/44