## **Ratios and Proportions**

- 1) If in your class, there are 34 girls and 43 boys, then express the ratio between boys and girls? Ratio of number of boys to girls = 43:34
- 2) What value of n will make this a proportion, 6 / 15 = n / 25? n = 10
- 3) Column A Column B 2 inches to 4 inches 2 foot to 72 inches

Which is greater?

Column A is greater that Column B.

- 4) A score of 72 points was shared by 3 players in a basket ball team in the proportion 2:3:4. How many more points did the highest scorer score compared to the lowest scorer? Difference between the highest scorer and lowest scorer = 32 16 = 16 points.
- 5) 4 cups of tea contains milk and water in the ratio 3 : 1. How much of milk is used to prepare 4 cups of tea?
- 3 cups of milk
- 6) Find 3 equivalent ratios for 1/5? 2/10, 3/15, and 4/20.
- 7) Find whether the ratios are equal, 4/5 = 5/6 given ratios are not equal.
- 8) Angles of the triangle are in the ratio 3:4:5. Find the angles? 45 degrees, 60 degrees, 75 degrees.
- 9) Two cars consume petrol in the ratio 4:5. If both the cars covers the same distance and the second car consumes 25 liters. Find how much petrol the first car uses? First car consumes 20 liters of petrol.
- 10) Column A Column B 45/55 42/56

Which is greater?

Column A is greater that Column B.