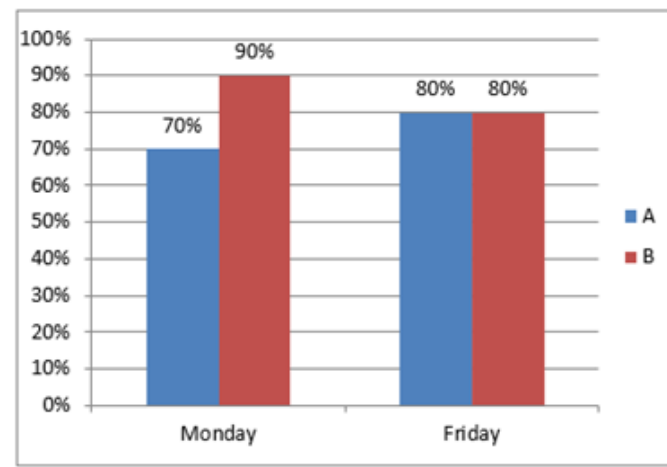# Bar Graphs – Class 1

Two person A and B work in a call center. They receive calls of which they execute some percentage. Below bar graph shows the percentage of calls executed by them on 2 days i.e. Monday and Friday. Based on the following graph, answer the questions given below:

Q1. If B executes 200 calls on Friday and he received 25% more calls than A on Friday. Then A executed what number of calls on Friday?

a. 160   b. 80   c. 125   d. 200

Q2. Total calls received by A and B on Friday is?
a) Total calls executed by them on Friday is 100
b) Difference between the calls executed by them on Friday is 8
a. Data in A is sufficient alone
b. Data in B is sufficient alone
c. Both A and B are required
d. Can't be determined even after using both

The given cascade bar graph provides the information about the number of girls and boys participated in a dance competition of NH Goel school on five different days of a week and the table give the details about the percentage of students participated on different days who lost the competition.

Total number of students participated in a day = Number of girls participated in a day + Number of boys participated in a day

Total number of students participated = Total number of students who lost the competition participated + Total number of students who won the competition participated

Q1. Find the ratio of the number of students who lost the competition on Tuesday to the number of students who won the competition on Wednesday.
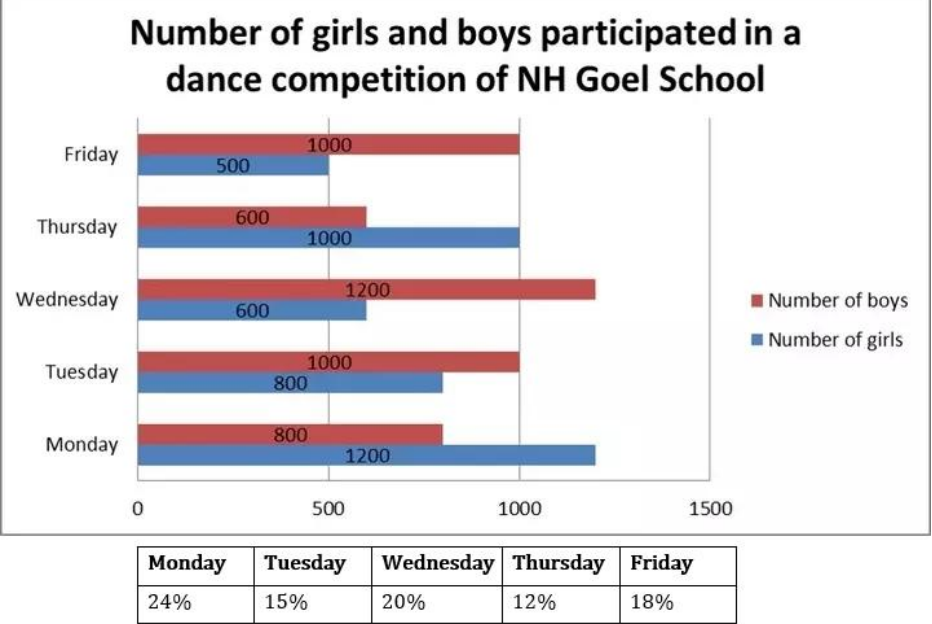
A 3/16   B 1/16   C 3/32   D 27/16

Q2. If the ratio of number of girls lost to the number of boys lost on Thursday is 7: 5 respectively, then the number of girls lost on Thursday was what percentage of the number of boys participated on Monday?

A10%   B12%   C14%   D16%

Q3. Find the ratio between the number of students who won on Wednesday to the number of students who won on Thursday

A 44/45   B 43/45   C 1/1   D 45/44

Number of girls and boys participated in a dance competition of NH Goel School

Monday	Tuesday	Wednesday	Thursday	Friday
24%	15%	20%	12%	18%

The Bar graph given below shows the various expenditures of some different persons. Study the given data carefully and the related questions.

Q1. If B saves 20% of his salary and E saves 25% of his salary then what is respective ratio of their food expenditure where respective ratio of salaries of B and E is 8 : 7?

A 128 : 105   B 105 : 128   C 115 : 123   D CBD

Q2. If salaries of A and D are 25000 and 30000 respectively and they saves 20% and 30% of their salaries then other expenditure of A is approximate what percent of that of D?
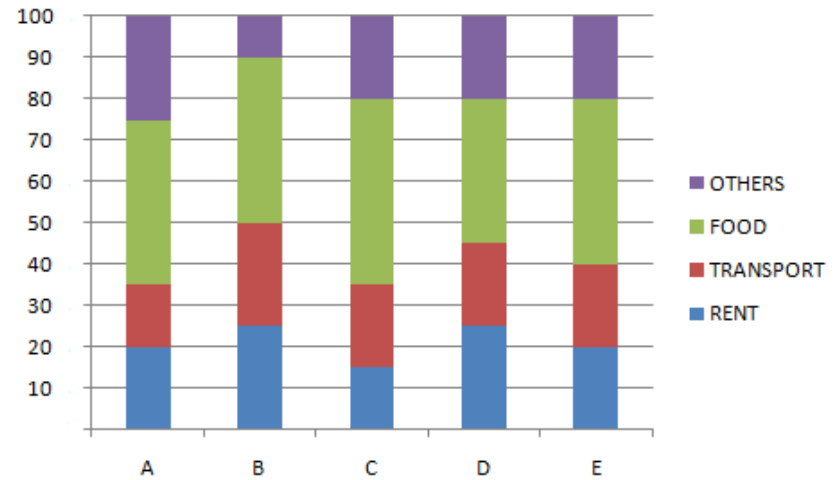
A 81%   B 119%   C 90%   D Cannot be determined

Q3. If C spends 5000 on transport and saves 20 of his salary then what is the salary of C?

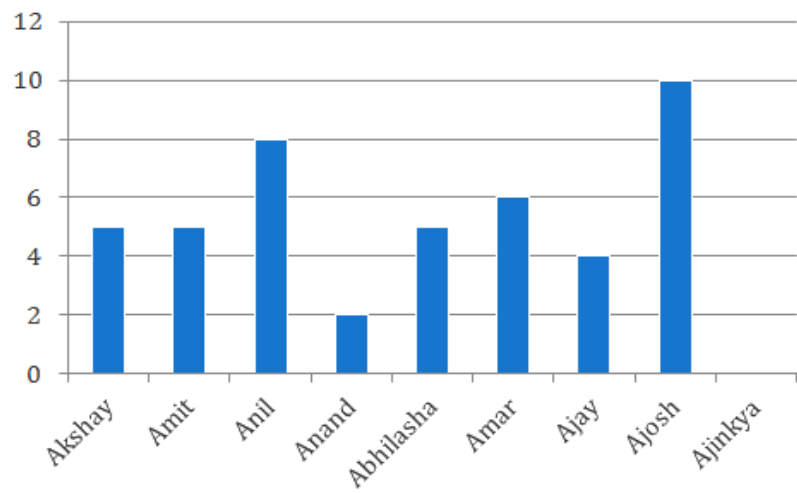A 25000   B 30000   C 31250   D Cannot be determined

Q4. If respective ratio of salaries of B and C is 9 : 10 and they saves 20% and 25% then what is difference between rent expenditure of B and C ?
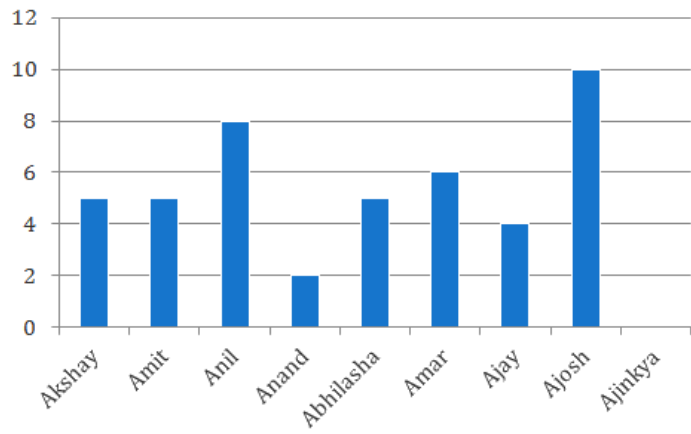
A 250   B 300   C 500   D Can't be determined

(Percentage of Expenditure)

■ OTHERS
■ FOOD
■ TRANSPORT
■ RENT

Nine participants participated in an inter-school quiz. A total of five rounds were held in this tournament. In any round, the winner got 5 points, the 1st runner up got 3 points and the 2nd runner up got 1 point. In any round the number of participants was five, such that the 1st participant to enter the tournament plays only the first round, the 2nd participant plays the first two rounds, the 3rd participant plays first three rounds and so on till the 5th participant plays all the five rounds. The next participant plays one round less than the previous participant and this continues till Ajinkya, who plays only one round. The 1st participant to enter the tournament was Akshay followed by Amit and so on in the order given in the bar chart below. Ajosh was the only participant to have scored in consecutive rounds. There were no ties for any of the positions in any of the five rounds. The graph below gives the points tally at the end of five stipulated rounds. Ajinkya was not able to score any point in the quiz.

Who was the 1st runner up in round 3 of the tournament?
1) Abhilasha   2) Ajay
3) Amar   4) Cannot be determined

What was the ratio of points scored by Abhilasha and Ajay in round 5?
1) 2 : 3   2) 1 : 3
3) 3 : 1   4) Cannot be determined

Amar must have been the 1st runner up in which of the following round(s)?
1) Round 2   2) Round 3
3) Round 4   4) Both Rounds 2 and 4

The winners in round 3, 4 and 5 in some order are
1) Ajosh, Amar, Anil   2) Ajosh, Anil
3) Anil, Abhilasha, Ajay
4) Abhilasha, Ajosh, Amar

In Knox multiplex, there are exactly two screens, Screen 1 and Screen 2. The graph below provides the number of persons who watched a movie in Screen 1 and the number of persons who watched a movie in Screen 2 on each day, for 20 consecutive days - Day 1 through Day 20. Assume that no person watched more than one movie at the multiplex during the given period.

Q1. On how many days during the given period is the number of persons who watched a movie in Screen 1 at least 30% more than the number of persons who watched a movie in Screen 2?

  a) 4   b) 6   c) 7   d) 5

Q2. On how many days during the given period did the total number of persons who watched a movie in Knox multiplex decrease as compared to the previous day?

Q3. If each ticket for Screen 1 is priced at Rs. 50 and each ticket for Screen 2 is priced at Rs. 40, on how many days during the given period is the revenue from ticket sales for Screen 2 at least as much as that for Screen 1?

Q4. During the given period, what is the average number of persons who watched a movie in Knox multiplex per day?

  a) 410.5   b) 316.5   c) 385.5   d) 300.5