33. **Direction:** Find the missing term in given series.
222, 110, 54, 26, ?
A. 8
B. 11
C. 13
D. 9
E. 12

34. **Direction:** Find the missing term in given series.
2, 1, 1, 1.5, 3, ?
A. 4.5
B. 6
C. 7.5
D. 8
E. 7.2

35. **Direction:** Find the missing term in given series.
26, 63, 124, 215, ?
A. 315
B. 421
C. 342
D. 426
E. 388

36. **Direction:** In the following question, two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.
A) $5x + 2y = 31$
B) $3x + 7y = 36$
A. X > Y
B. X ≥ Y
C. X < Y
D. X ≤ Y
E. X = Y or No relation can be established

37. **Direction:** In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.
A) $x^2 - 7x + 12 = 0$
B) $y^2 - 9y + 20 = 0$
A. X > Y
B. X ≥ Y
C. X < Y
D. X ≤ Y
E. X = Y or No relation can be established

38. **Direction:** In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.
A) $(x + 1)^2 = 12^2$
B) $y^2 + 2y - 143 = 0$
A. X > Y
B. X ≥ Y
C. X < Y
D. X ≤ Y
E. X = Y or No relation can be established

39. **Direction:** In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.
$6x^2 + 5x + 1 = 0$
$4y^2 + 4y + 1 = 0$
A. If X > Y
B. If X < Y
C. If X ≥ Y
D. If X ≤ Y
E. If X = Y or no relation can be established

40. **Direction:** In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.
$x^2 - 16x + 64 = 0$
$Y^2 = 64$
A. If X > Y
B. If X < Y
C. If X ≥ Y
D. If X ≤ Y
E. If X=Y or No relation can be established

41. Direction: Study the following pie-chart and table carefully to answer the questions that follow.
Percentage of visitors (male and female) in a museum on the given 3 days-Friday, Saturday and Sunday is depicted in the pie chart given below.
Total number of visitors on the given three days = 400