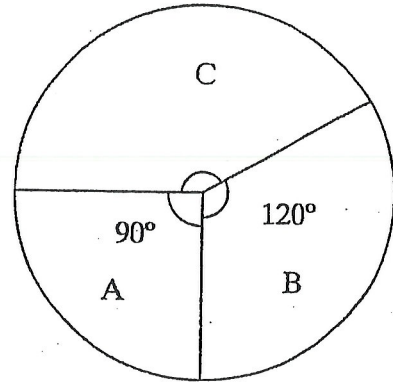


5. In an election there were three candidates A, B and C. The number of votes cast for each candidate is represented in the given pie chart.

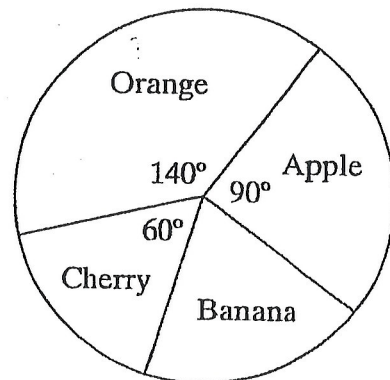


If A got 3510 votes,

- find how many people voted
- find how many votes B obtained
- find how many votes C obtained.

6. The pie chart illustrates the results of a survey, in which each member of a group of children was asked to choose an apple, a banana, a cherry or an orange.

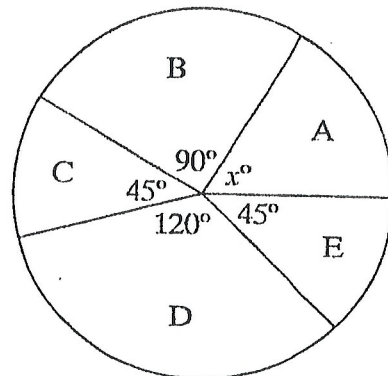
- What is the angle at the centre representing banana?
- If 30 children preferred a cherry, how many children were surveyed?
- How many children chose a banana?



7. 120 students took the Leaving Certificate examination in a certain school. The number of students who took Spanish as a subject is represented on a pie-chart by an angle of  $63^\circ$ . Find the number of students who took Spanish.

8. The pie chart on the right represents the sales of 5 cars A, B, C, D and E. The angles in sectors B, C, D and E are shown.

- Calculate the size of the angle  $x$  in sector A.
- If the sales of car D is 200, find the sales of car B.



9. Forty eight pupils were asked how many upstairs rooms they had in their homes. The results are shown in the pie chart on the right.

- Find the size of the angle marked  $x^\circ$  in the pie chart.
- How many students lived in homes with 3 upstairs rooms?
- How many students lived in homes with 2 rooms or less upstairs?

