

## Question #70668, Math / Statistics and Probability

Table 1

Male Female Male Female Male  
 A A A A E  
 C E C C A  
 A A C B E  
 A C A D D  
 A A B A A  
 C D E B B  
 D A D D A  
 D A

A survey was administered to a random sample of 37 students and recorded in Table 1:

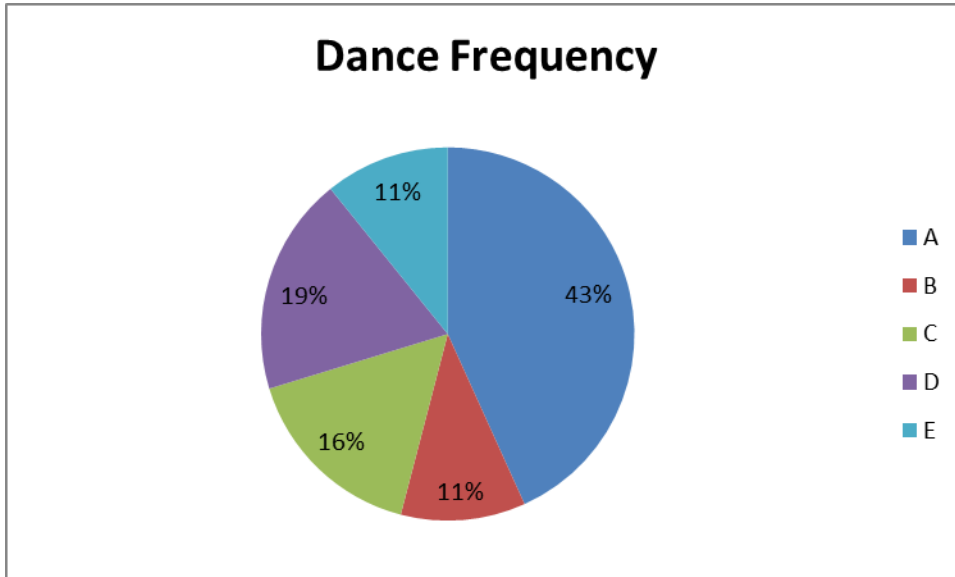
A – Ironic dance B – Pro dance C – Sway dance  
 D – Dad-dance E – Twerk dance

Prepare a summary table for dance preferences. Calculate percentage and sectorial angle of each type of dance preferred. Represent these figures on a pie chart. Draw a bar chart to represent the dance preferences.

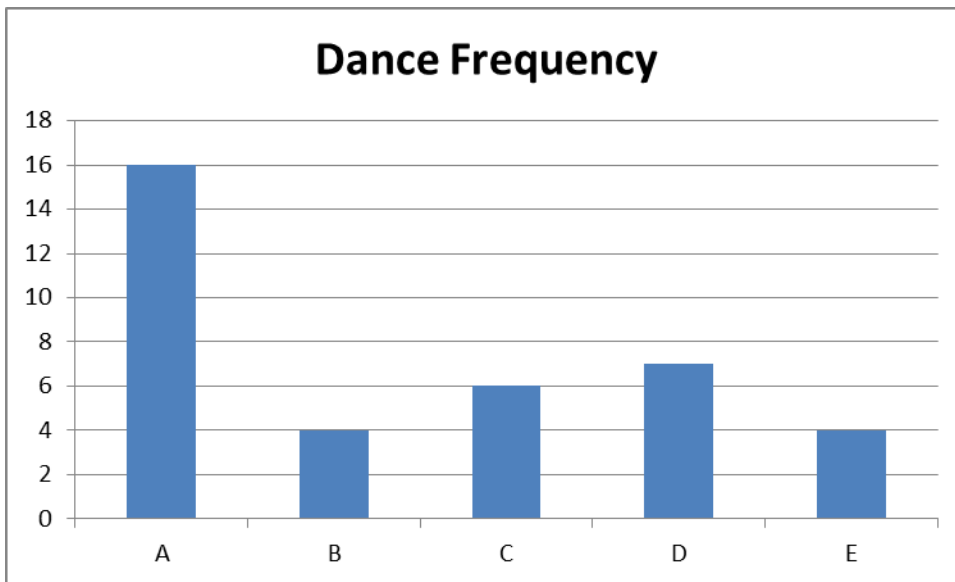
**Answer.**

Dance	Frequency	Relative Frequency	Angle
<b>A</b>	<b>16</b>	<b>0.43</b>	<b>156</b>
<b>B</b>	<b>4</b>	<b>0.11</b>	<b>39</b>
<b>C</b>	<b>6</b>	<b>0.16</b>	<b>58</b>
<b>D</b>	<b>7</b>	<b>0.19</b>	<b>68</b>
<b>E</b>	<b>4</b>	<b>0.11</b>	<b>39</b>

### Pie Chart



### Bar Chart



Answer provided by <https://www.AssignmentExpert.com>