Using Data in Science to Draw Conclusions

1. Mrs. Green recently planted a garden. She wants to know if she planted flowers that attract bees. She thinks that bees like roses best based on her previous experiences. She conducts an experiment for one day, documenting how many bees visit each flower. She creates a table to organize her data. Based on her data, what conclusions can she draw?

Number of bees	
Rose	2
Sunflower	8
Lily	12
Poppy	4
Tulip	7

Conclusion: _____

_____

_____

_____

_____

2. Joey is interested in paper airplanes. He wonders which wing design will make the airplane fly at least 1 meter. He creates 5 different airplanes all with different wing shapes, and then flies each one 15 times. Joey understands that the more trials you conduct, the more reliable your evidence is. The tally table shows how many times each design flew at least 1 meter or more. What conclusions can Joey draw?

Number of times each plane flew at least 1m	
A	||
B	𝍸 |||
C	𝍸 𝍸 |
D	||||
E	𝍸 ||

Conclusion: _____

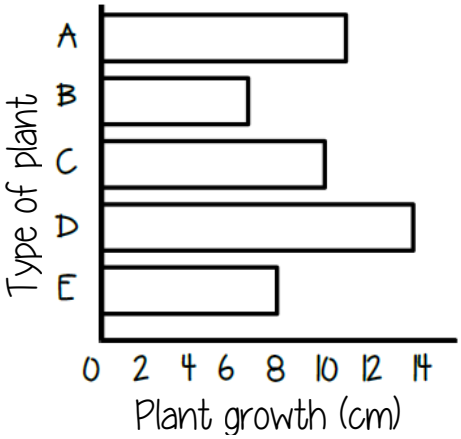
_____

_____

_____

_____

3. Kerry conducts an experiment using 5 different types of plants. She thinks that sunflowers (plant A) will grow the quicker because they are the tallest of the bunch. She gives them all the same amount of sunlight and water. She tracks the plants' growth and then creates a bar graph after one month. What conclusions can she draw?



Conclusion: _____

_____

_____

_____

_____