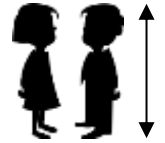
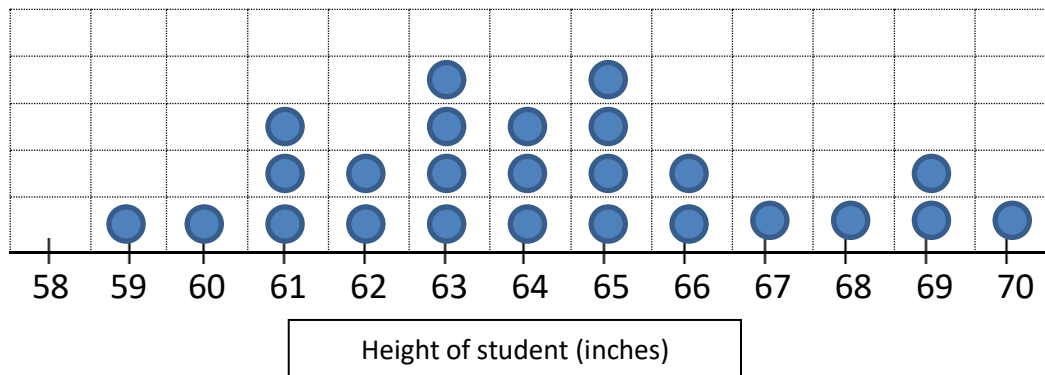




INTERPRETING DOT PLOTS SHEET 3

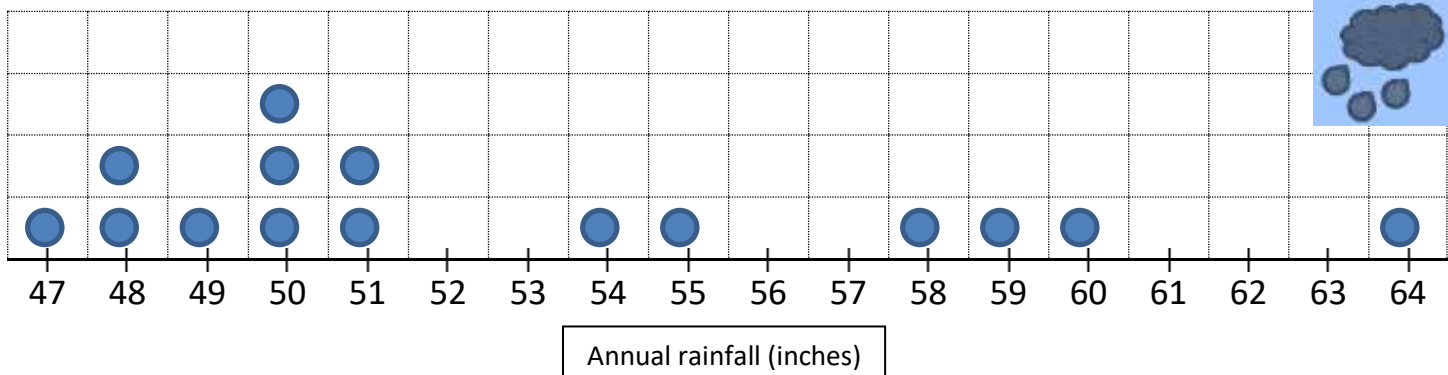
1) This dot plot shows the height in inches of a group of students.



For each of the following statements state whether they are **true**, **false** or **unknown**.

a)	The shortest person was 58 inches tall.	
b)	The median height is 63 inches.	
c)	The range of heights is 11 inches.	
d)	Half of the students are at least 64 inches tall.	
e)	The tallest student was male.	
f)	The mean height is 63.5 inches.	64.2

2) This box plot shows the annual rainfall in inches recorded across 15 of the wettest states.



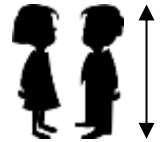
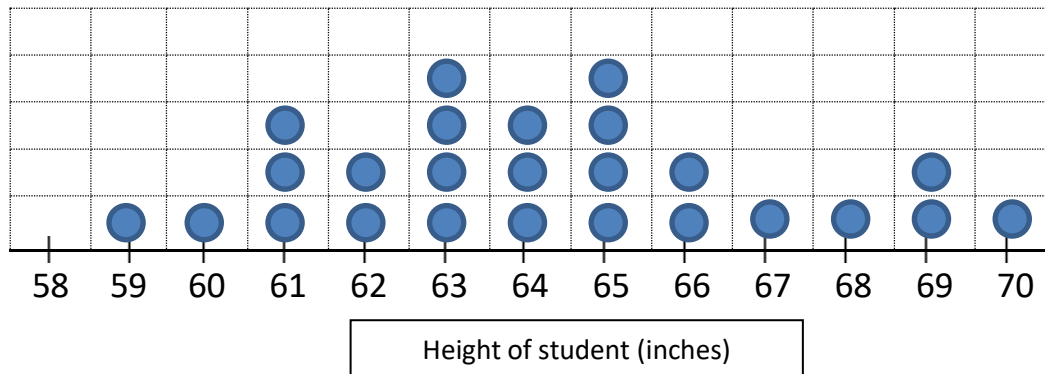
For each of the following statements state whether they are **true**, **false** or **unknown**.

a)	The range of rainfall recorded is 17 inches.	
b)	The mode rainfall for the group of states is 50 inches.	
c)	The median average rainfall is 50 inches.	
d)	The wettest state in the survey was Hawaii.	
e)	The mean rainfall across the 15 states is 53 inches to the nearest inch.	
f)	Most of the data points are clustered around 48 to 51 inches.	



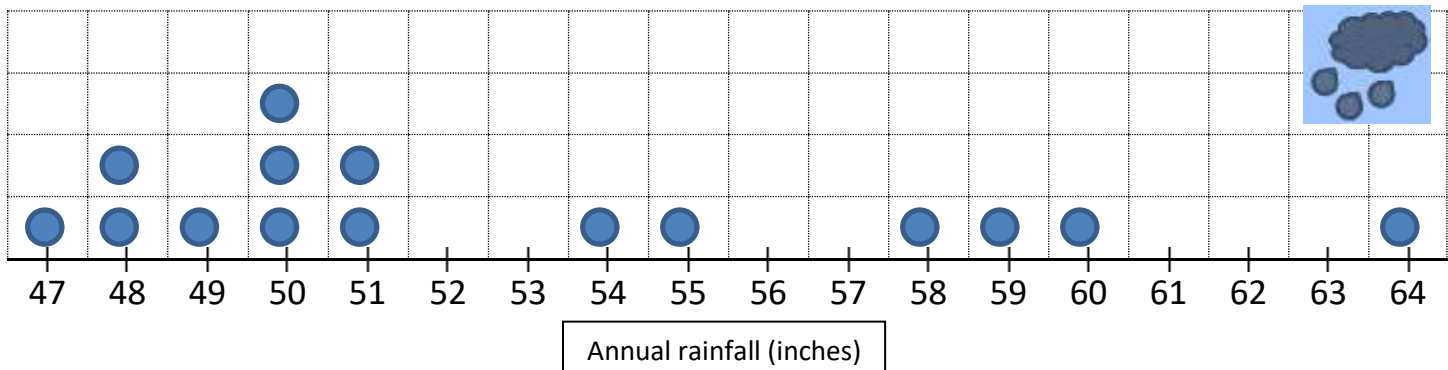
INTERPRETING DOT PLOTS SHEET 3 ANSWERS

1) This dot plot shows the height in inches of a group of students.



a)	The shortest person was 58 inches tall.	<u>FALSE (59 in)</u>
b)	The median height is 63 inches.	<u>FALSE (64 in)</u>
c)	The range of heights is 11 inches.	<u>TRUE</u>
d)	Half of the students are at least 64 inches tall.	<u>TRUE</u>
e)	The tallest student was male.	<u>UNKNOWN</u>
f)	The mean height is 63.5 inches.	<u>FALSE (64.2 in)</u>

2) This box plot shows the annual rainfall in inches recorded across 15 of the wettest states.



a)	The range of rainfall recorded is 17 inches.	<u>TRUE</u>
b)	The mode rainfall for the group of states is 50 inches.	<u>TRUE</u>
c)	The median average rainfall is 50 inches.	<u>FALSE (51 in)</u>
d)	The wettest state in the survey was Hawaii.	<u>UNKNOWN</u>
e)	The mean rainfall across the 15 states is 53 inches to the nearest inch.	<u>TRUE</u>
f)	Most of the data points are clustered around 48 to 51 inches.	<u>TRUE (8 out of 15 points)</u>