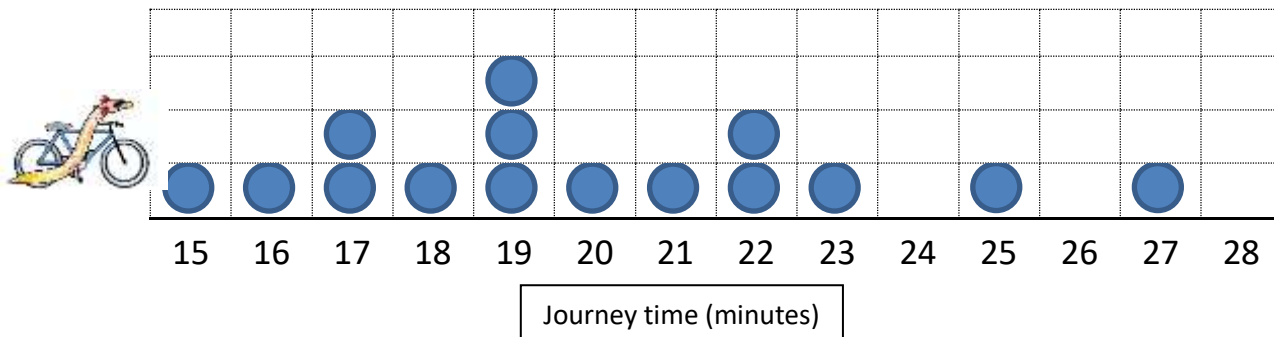




## INTERPRETING DOT PLOTS SHEET 2

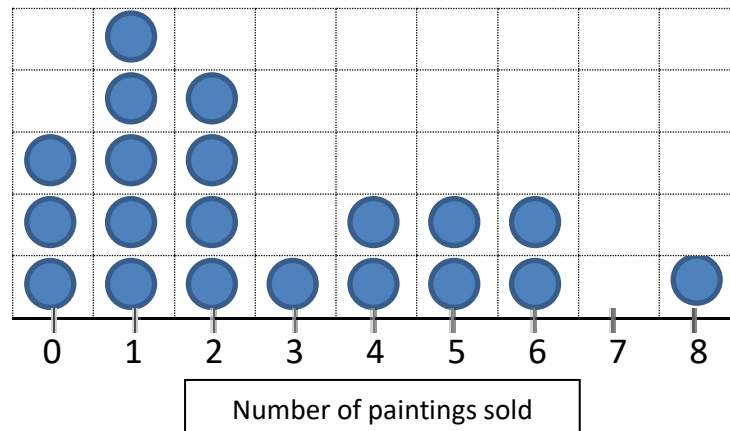
1) This dot plot shows the number of minutes it takes Captain to cycle to work each day.



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

a)	The longest it took him to get to work was 28 minutes.	
b)	Most of the time it took him at least 20 minutes to get to work.	
c)	His median journey time was 19 minutes.	
d)	His journey was quicker when there was less traffic on the roads.	
e)	His mean journey was 19 minutes.	
f)	The range of his journey times was 12 minutes.	

2) This dot plot shows the number of paintings sold by an art gallery over a period of 20 days.



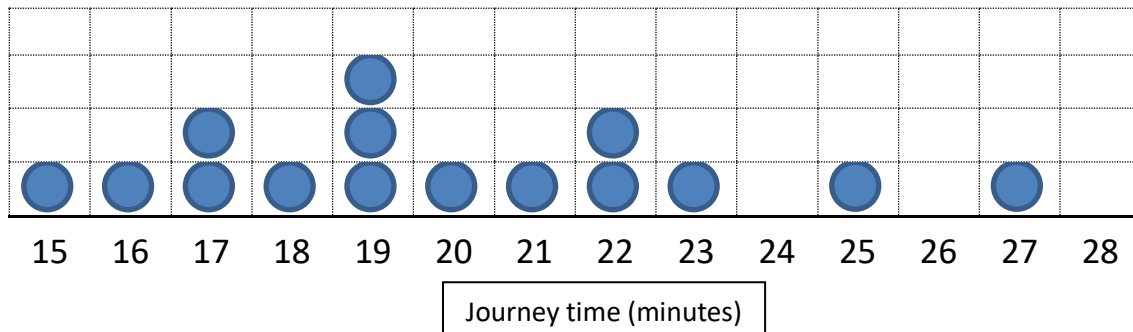
For each of the following statements state whether they are **true**, **false** or **unknown**.

a)	The mode number of painting sold was 8.	
b)	The median number of paintings sold was 2.	
c)	On most days, the gallery sold at least 3 paintings.	
d)	On some days, nobody visited the gallery.	
e)	The mean number of paintings sold was 2.7.	
f)	25% of the time the gallery sold just 1 painting.	



## INTERPRETING DOT PLOTS SHEET 2 ANSWERS

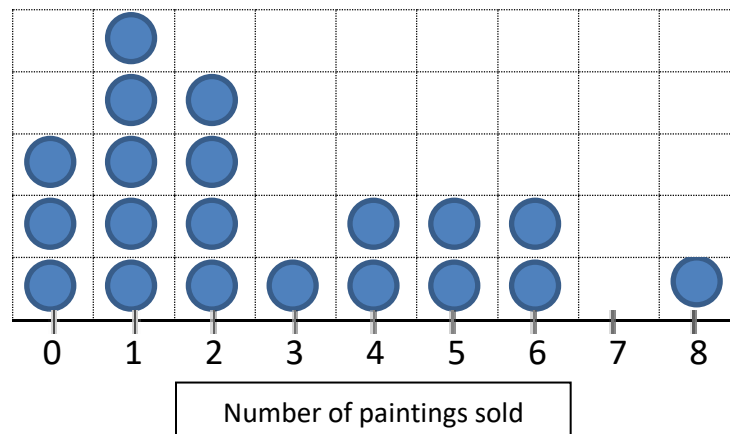
1) This dot plot shows the number of minutes it takes Captain to cycle to work each day.



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

a)	The longest it took him to get to work was 28 minutes.	<u>FALSE (27 min)</u>
b)	Most of the time it took him at least 20 minutes to get to work.	<u>FALSE</u>
c)	His median journey time was 19 minutes.	<u>TRUE</u>
d)	His journey was quicker when there was less traffic on the roads.	<u>UNKNOWN</u>
e)	His mean journey was 19 minutes.	<u>FALSE (20 min)</u>
f)	The range of his journey times was 12 minutes.	<u>TRUE</u>

2) This dot plot shows the number of paintings sold by an art gallery over a period of 20 days.



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

a)	The mode number of painting sold was 8.	<u>FALSE (1 painting)</u>
b)	The median number of paintings sold was 2.	<u>TRUE</u>
c)	On most days, the gallery sold at least 3 paintings.	<u>FALSE (<math>\frac{8}{20}</math> times)</u>
d)	On some days, nobody visited the gallery.	<u>UNKNOWN</u>
e)	The mean number of paintings sold was 2.7.	<u>TRUE</u>
f)	25% of the time the gallery sold just 1 painting.	<u>TRUE (<math>\frac{5}{20} = 25\%</math>)</u>