

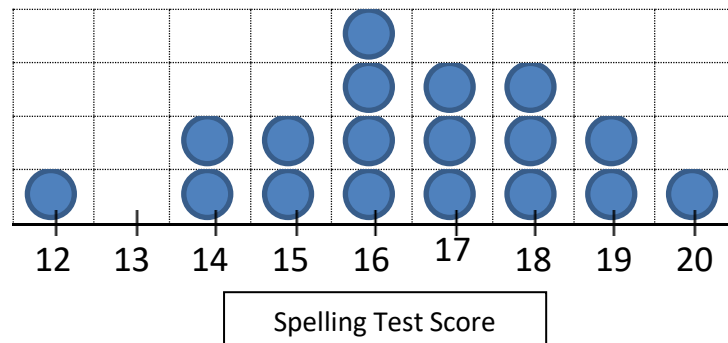
Name

Date



INTERPRETING DOT PLOTS SHEET 1

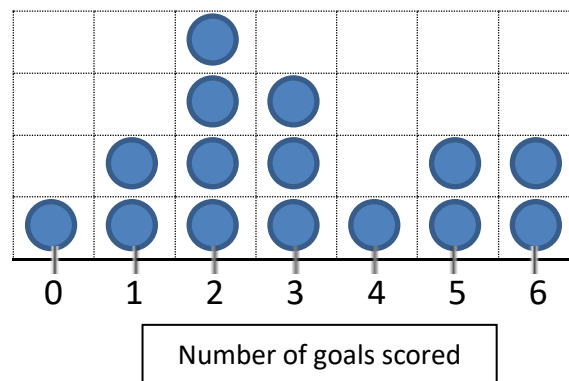
1) This dot plot shows the marks of a spelling test from a class of students.



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

a)	The maximum score on the test was 20.	
b)	There were a total of 20 marks in the test.	
c)	The mode mark was 16.	
d)	The range of marks was 7.	
e)	Half of the students scored less than 17 marks.	
f)	The median mark was 16.	

2) This dot plot shows the number of goals scored by a school soccer team.



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

a)	The team scored at least one goal in every match.	
b)	The range of goals scored was 6.	
c)	The soccer team won most of their games.	
d)	In most of their matches, the team scored less than 3 goals.	
e)	The median number of goals scored per game was 2.	
f)	The mean score was 3 goals per match.	

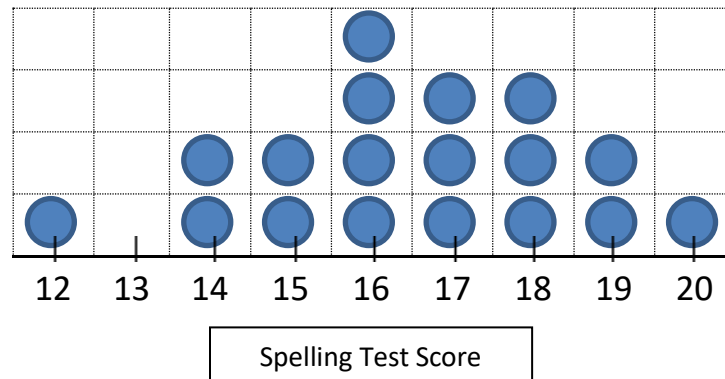
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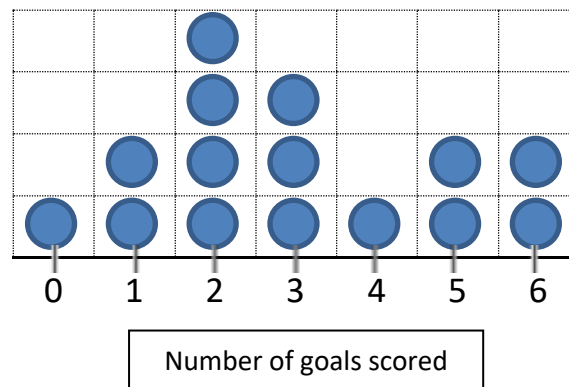
INTERPRETING DOT PLOTS SHEET 1 ANSWERS

1) This dot plot shows the marks of a spelling test from a class of students.



a)	The maximum score on the test was 20.	<u>TRUE</u>
b)	There were a total of 20 marks in the test.	<u>UNKNOWN</u>
c)	The mode mark was 16.	<u>TRUE</u>
d)	The range of marks was 7.	<u>FALSE (20 – 12 = 8)</u>
e)	Half of the students scored less than 17 marks.	<u>TRUE (8 out of 16 scored less)</u>
f)	The median mark was 16.	<u>FALSE (16 + 17) ÷ 2 = 16.5</u>

2) This dot plot shows the number of goals scored by a school soccer team.



a)	The team scored at least one goal in every match.	<u>FALSE</u>
b)	The range of goals scored was 6.	<u>TRUE (6 – 0 = 6)</u>
c)	The soccer team won most of their games.	<u>UNKNOWN</u>
d)	In most of their matches, the team scored less than 3 goals.	<u>FALSE (7 out of 15 is less than ½)</u>
e)	The median number of goals scored per game was 2.	<u>FALSE (MEDIAN=3)</u>
f)	The mean score was 3 goals per match.	<u>TRUE</u>