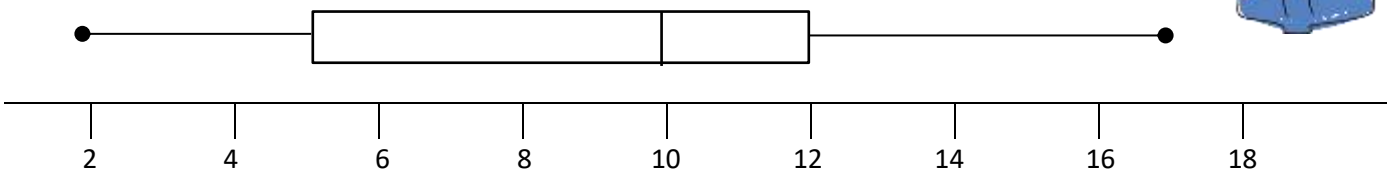
Name Date

INTERPRETING BOX PLOTS SHEET 2

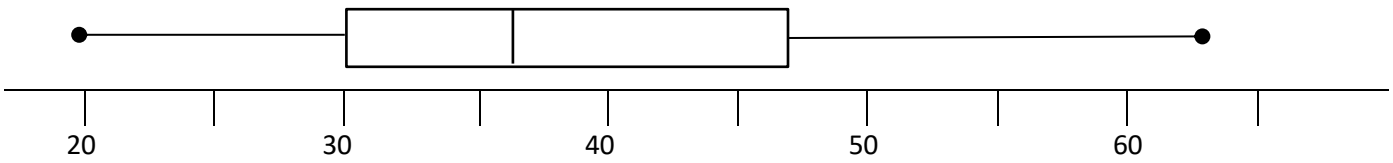
1) This box plot show the number of books read in a month by a class of students.



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

a)	The median number of books read was 10.	
b)	The lowest number of books read was 2.	
c)	The range of the number of books read is 17.	
d)	There were 10 students who read more than 12 books.	
e)	The interquartile range is 7 books.	
f)	Most children read at least 8 books.	
g)	The data is skewed left.	

2) This box plot shows the number of meals served each day at a restaurant for a month.



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

a)	Most days, the restaurant served at least 35 meals.	
b)	On its most popular day, the restaurant served 60 meals.	
c)	The range of meals served is 43 meals.	
d)	The restaurant served less than 30 meals about 25% of the time.	
e)	The data is skewed left.	
f)	The restaurant served at least 55 meals about 10% of the time.	
g)	The interquartile range is 12 meals.	

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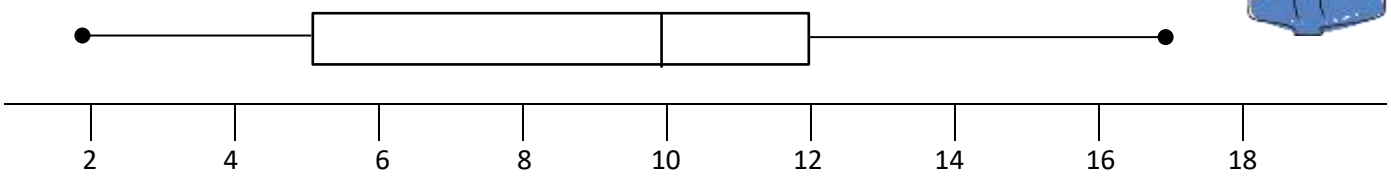
INTERPRETING BOX PLOTS SHEET 2 ANSWERS

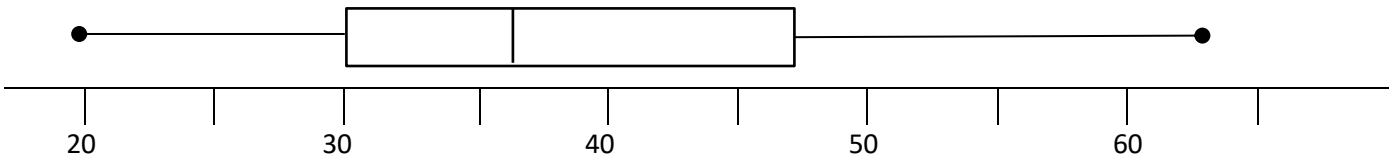
1) This box plot show the number of books read in a month by a class of students.



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

a)	The median number of books read was 10.	TRUE
b)	The lowest number of books read was 2.	TRUE
c)	The range of the number of books read is 17.	FALSE (17 – 2 = 15)
d)	There were 10 students who read more than 12 books.	UNKNOWN
e)	The interquartile range is 7 books.	TRUE (12 – 5 = 7)
f)	Most children read at least 12 books.	FALSE
g)	The data is skewed left.	TRUE

2) This box plot shows the number of meals served each day at a restaurant for a month.



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

a)	Most days, the restaurant served at least 35 meals.	TRUE
b)	On its most popular day, the restaurant served 60 meals.	FALSE (63 MEALS)
c)	The range of meals served is 43 meals.	TRUE 63 - 20 = 43
d)	The restaurant served less than 30 meals about 25% of the time.	TRUE
e)	The data is skewed left.	FALSE (SKEWED RIGHT)
f)	The restaurant served at least 55 meals about 10% of the time.	UNKNOWN
g)	The interquartile range is 12 meals.	FALSE 47 – 30 = 17

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