

Name

Date



CREATING BOX PLOTS SHEET 1

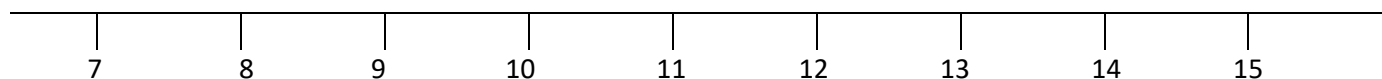


1) This data shows the marks from a Geography test from a group of students.

- Fill in the information and use it to draw a box plot on the number line below to show these results.

Marks	13	12	9	11	14	12	10	15	11	10	7
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Minimum value	1 st quartile	Median	3 rd quartile	Maximum value	Range	Interquartile Range



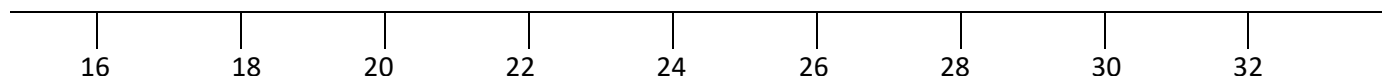
2) This data shows the number of visitors an art gallery has for different hours in the day.



- Fill in the information and use it to draw a box plot on the number line below to show this data.

Number of Visitors	25	17	32	22	19	20	25	31	24	20
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Minimum value	1 st quartile	Median	3 rd quartile	Maximum value	Range	Interquartile Range



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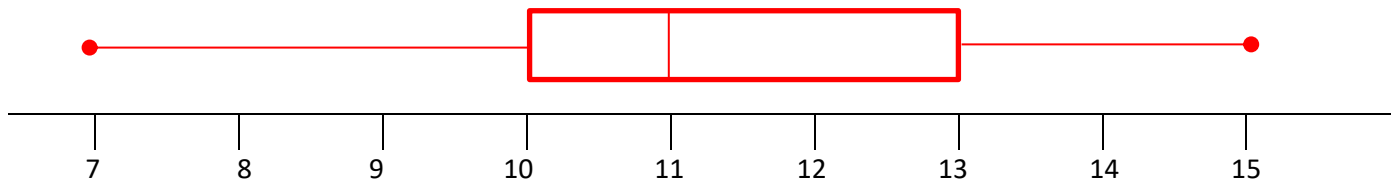
CREATING BOX PLOTS SHEET 1 ANSWERS

1) This data shows the marks from a Geography test from a group of students.



- Fill in the information and use it to draw a box plot on the number line below to show these results.

Marks	13	12	9	11	14	12	10	15	11	10	7
<u>Ordered</u>	<u>7</u>	<u>9</u>	<u>10</u>	<u>10</u>	<u>11</u>	<u>11</u>	<u>12</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>
Minimum value	1st quartile	Median	3rd quartile	Maximum value	Range		Interquartile Range				
<u>7</u>	<u>10</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>$15 - 7 = 8$</u>		<u>$13 - 10 = 3$</u>				



2) This data shows the number of visitors an art gallery has for different hours in a particular week.



- Fill in the information and use it to draw a box plot on the number line below to show this data.

Number of Visitors	25	17	32	22	19	20	25	31	24	20
<u>Ordered</u>	<u>17</u>	<u>19</u>	<u>20</u>	<u>20</u>	<u>22</u>	<u>24</u>	<u>25</u>	<u>25</u>	<u>31</u>	<u>32</u>
Minimum value	1st quartile	Median	3rd quartile	Maximum value	Range		Interquartile Range			
<u>17</u>	<u>20</u>	<u>$(24 + 22) \div 2 = 23$</u>	<u>25</u>	<u>32</u>	<u>$32 - 17 = 15$</u>		<u>$25 - 20 = 5$</u>			

