

Name: _____

Creating Box Plots

Step 1 - Find 5-number summary (minimum, Q1, median, Q3, maximum).

Step 2 - Draw a box **above** the number line from Q1 to Q3.

Step 3 - Draw a vertical line **inside** the box at the median.

Step 4 - Draw a horizontal line from Q1 to the minimum and from Q3 to the maximum.

Ⓐ 20, 12, 35, 41, 32, 44, 52, 8, 84

Min = _____

Q1 = _____



Preview

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Q1 = _____

Median = _____

Q3 = _____

Max = _____



Ⓑ 55, 60, 31, 42, 37, 43, 45, 51, 47

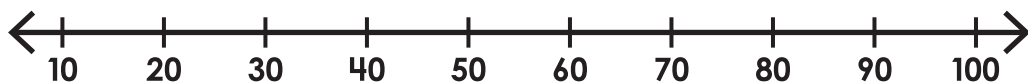
Min = _____

Q1 = _____

Median = _____

Q3 = _____

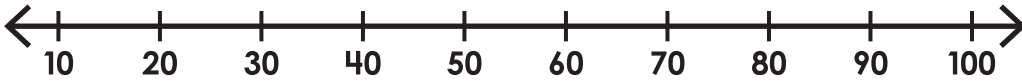
Max = _____



Creating Box Plots

d) 33, 29, 45, 31, 29, 21, 24, 26, 12

Min	=	_____
Q1	=	_____
Median	=	_____
Q3	=	_____
Max	=	_____



e) 55, 24, 47, 22, 59, 28, 27, 58, 58

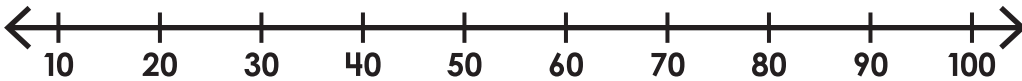


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f) 59, 62, 79, 75, 60, 44, 9, 90, 84

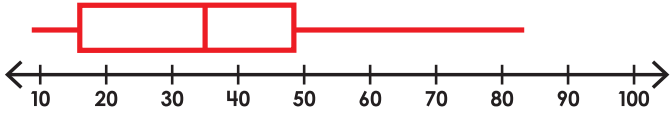
Min	=	_____
Q1	=	_____
Median	=	_____
Q3	=	_____
Max	=	_____



ANSWERS

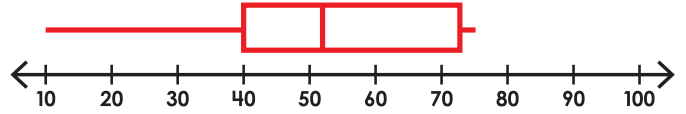
Creating Box Plots

a



Min	=	<u>8</u>
Q1	=	<u>16</u>
Median	=	<u>35</u>
Q3	=	<u>48</u>
Max	=	<u>82</u>

b



Min	=	<u>10</u>
Q1	=	<u>40</u>
Median	=	<u>52</u>
Q3	=	<u>73</u>
Max	=	<u>75</u>



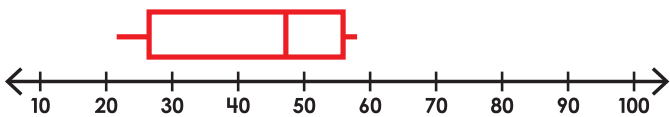
Preview

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Min	=	<u>31</u>
Q1	=	<u>39.5</u>
Median	=	<u>45</u>
Q3	=	<u>53</u>
Max	=	<u>60</u>

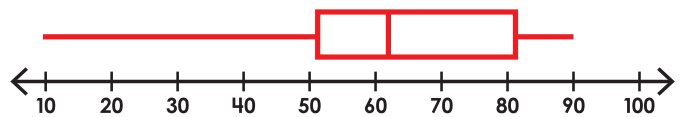
Min	=	<u>12</u>
Q1	=	<u>22.5</u>
Median	=	<u>29</u>
Q3	=	<u>32</u>
Max	=	<u>45</u>

e



Min	=	<u>22</u>
Q1	=	<u>26.5</u>
Median	=	<u>47</u>
Q3	=	<u>56.5</u>
Max	=	<u>58</u>

f



Min	=	<u>9</u>
Q1	=	<u>51.5</u>
Median	=	<u>62</u>
Q3	=	<u>81.5</u>
Max	=	<u>90</u>