

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.

Example: 28, 13, 5, 47, 9, 7, 24, 32, 20



5-Number Summary

Min	=	5
Q1	=	8
Median	=	20



Preview

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



(b) 25, 37, 23, 31, 49, 17, 12, 21, 43

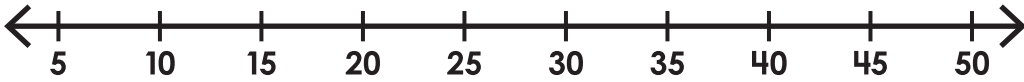
Min	=	_____
Q1	=	_____
Median	=	_____
Q3	=	_____
Max	=	_____



Creating Box Plots

c) 41, 32, 24, 40, 43, 18, 15, 45, 50

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



d) 43, 31, 24, 33, 41, 13, 11, 3, 48

Min	=	_____
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Preview

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e) 23, 26, 10, 31, 36, 10, 5, 38, 40

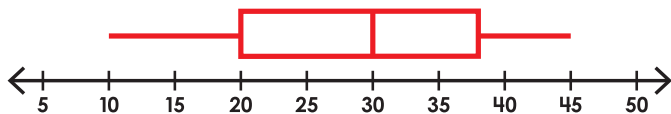
Min	=	_____
Q1	=	_____
Median	=	_____
Q3	=	_____
Max	=	_____



ANSWERS

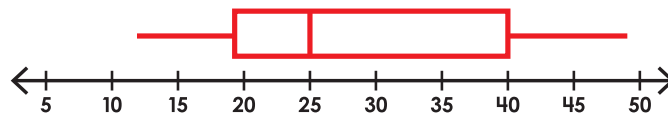
Creating Box Plots

a)



Min	=	<u>10</u>
Q1	=	<u>20</u>
Median	=	<u>30</u>
Q3	=	<u>38</u>
Max	=	<u>45</u>

b)



Min	=	<u>12</u>
Q1	=	<u>19</u>
Median	=	<u>25</u>
Q3	=	<u>40</u>
Max	=	<u>49</u>



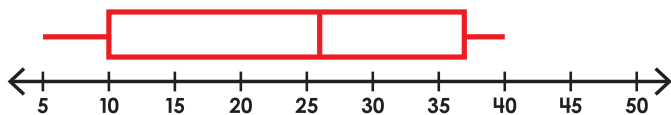
Preview

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Q1	=	<u>21</u>
Median	=	<u>40</u>
Q3	=	<u>44</u>
Max	=	<u>50</u>

Q1	=	<u>12</u>
Median	=	<u>31</u>
Q3	=	<u>42</u>
Max	=	<u>48</u>

e)



Min	=	<u>5</u>
Q1	=	<u>10</u>
Median	=	<u>26</u>
Q3	=	<u>37</u>
Max	=	<u>40</u>