

Name: _____

Finding 5 Number Summaries

Minimum - the lowest value

Maximum - the highest value

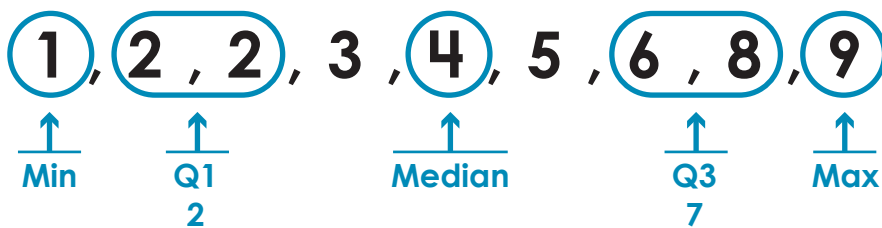
Median - the value in the middle when numbers are ordered from least to greatest

Q1 - the lower quartile or the median of the lower half of the data set

Q3 - the upper quartile or the median of the upper half of the data set

(If two numbers are in the middle, take the average of the two.)

Example: 2, 5, 1, 3, 8, 9, 6, 4, 2



5-Number Summary	
Min	= 1
Q1	= 2
Median	= 4
Q3	= 7
Max	= 9

a) 7, 2, 3, 5, 4, 3, 6, 9, 10

5-Number Summary	
Min	= _____
Q1	= _____
Median	= _____
Q3	= _____
Max	= _____

b) 1, 12, 8, 5, 7, 9, 11, 7, 11

5-Number Summary	
Min	= _____
Q1	= _____
Median	= _____
Q3	= _____
Max	= _____

c) 14, 6, 11, 9, 7, 2, 3, 5, 13

5-Number Summary	
Min	= _____
Q1	= _____
Median	= _____
Q3	= _____
Max	= _____

Finding 5 Number Summaries

d) 3, 9, 14, 7, 12, 10, 13, 18, 20

5-Number Summary

Min = _____

Q1 = _____

Median = _____

Q3 = _____

Max = _____

e) 5, 7, 6, 12, 14, 10, 2, 3, 16

5-Number Summary

Min = _____

Q1 = _____

Median = _____

Q3 = _____

Max = _____

f) 20, 17, 3, 9, 5, 12, 16, 19, 10

5-Number Summary

Min = _____

Q1 = _____

Median = _____

Q3 = _____

Max = _____

g) 1, 4, 12, 15, 8, 10, 11, 17, 20

5-Number Summary

Min = _____

Q1 = _____

Median = _____

Q3 = _____

Max = _____

h) 19, 15, 7, 12, 5, 2, 17, 20, 3

5-Number Summary

Min = _____

Q1 = _____

Median = _____

Q3 = _____

Max = _____

ANSWERS

Finding 5 Number Summaries

(a)

5-Number Summary	
Min	= <u>2</u>
Q1	= <u>3</u>
Median	= <u>5</u>
Q3	= <u>8</u>
Max	= <u>10</u>

(b)

5-Number Summary	
Min	= <u>1</u>
Q1	= <u>6</u>
Median	= <u>8</u>
Q3	= <u>11</u>
Max	= <u>12</u>

(c)

5-Number Summary	
Min	= <u>2</u>
Q1	= <u>4</u>
Median	= <u>7</u>
Q3	= <u>12</u>
Max	= <u>14</u>

(d)

5-Number Summary	
Min	= <u>3</u>
Q1	= <u>8</u>
Median	= <u>12</u>
Q3	= <u>16</u>
Max	= <u>20</u>

(e)

5-Number Summary	
Min	= <u>2</u>
Q1	= <u>4</u>
Median	= <u>7</u>
Q3	= <u>13</u>
Max	= <u>16</u>

(f)

5-Number Summary	
Min	= <u>3</u>
Q1	= <u>7</u>
Median	= <u>12</u>
Q3	= <u>18</u>
Max	= <u>20</u>

(g)

5-Number Summary	
Min	= <u>1</u>
Q1	= <u>6</u>
Median	= <u>11</u>
Q3	= <u>16</u>
Max	= <u>20</u>

(h)

5-Number Summary	
Min	= <u>2</u>
Q1	= <u>4</u>
Median	= <u>12</u>
Q3	= <u>18</u>
Max	= <u>20</u>