



Using the set of numbers find the mean (rounded to the nearest tenth), median, mode and range.

1) 89, 76, 85, 76, 77, 84

2) 83, 97, 85, 84, 96, 80, 80, 87, 91

3) 30, 36, 47, 50, 50, 50

4) 79, 70, 71, 60, 60

5) 74, 61, 69, 74, 77, 63

6) 29, 22, 22, 17, 33, 32, 27

7) 58, 53, 64, 55, 65, 65, 60, 50

8) 88, 71, 77, 86, 75, 91, 86, 91, 91

9) 49, 45, 51, 49, 41, 34

10) 15, 8, 7, 21, 5, 21, 22, 17, 10

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Find the 1st, 2nd (median) and 3rd quartile of the set of numbers.

Ex) 21, 72, 43, 86, 21, 35, 23, 48, 78
 21, 21 | 23, 35, 43, 48, 72 | 78, 86

Answers

Ex. 22 43 75

1) 91, 91, 91, 97, 65, 37, 41, 76, 87

1. _____

2) 7, 4, 5, 2, 7, 7, 2

2. _____

3) 2, 4, 7, 3, 10, 2, 8, 7

3. _____

4) 89, 36, 49, 98, 40, 79, 28, 86

4. _____

5) 2, 7, 10, 10, 1, 7, 10

5. _____

6) 48, 95, 73, 39, 78, 41, 89, 29, 95

6. _____

7) 42, 30, 79, 99, 72, 24, 89, 91, 78, 69

7. _____

8) 9, 3, 6, 2, 6, 1, 7, 8, 8

8. _____

9) 76, 81, 37, 34, 48, 86, 78, 25, 53, 78, 21

9. _____

10) 7, 3, 9, 3, 8, 1, 10

10. _____

11) 58, 95, 21, 37, 70, 74, 92, 73, 94, 21

11. _____

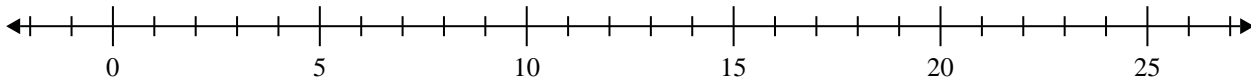
12) 1, 2, 7, 10, 2, 10, 5, 7, 8

12. _____

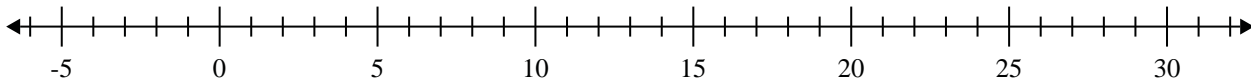


Create a box plot from the set of numbers.

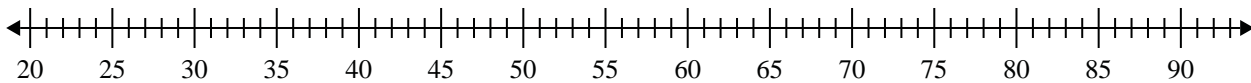
- 1) 11, 12, 10, 7, 9, 18



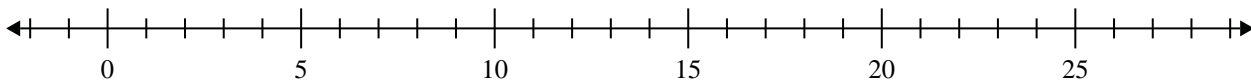
- 2) 9, 15, 19, 5, 20, 15



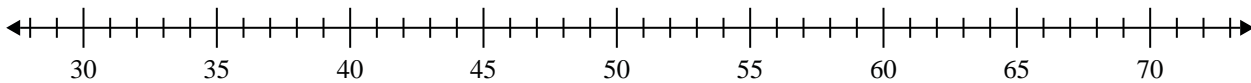
- 3) 38, 73, 28, 36, 80, 50



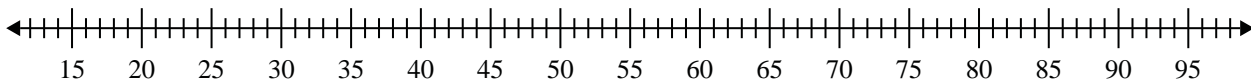
- 4) 9, 13, 19, 16, 14, 19



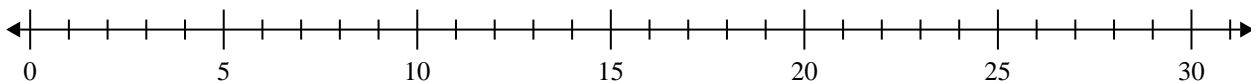
- 5) 57, 41, 40, 67, 66, 45, 63, 42



- 6) 37, 84, 70, 64, 24, 93, 25, 39, 82, 49, 82



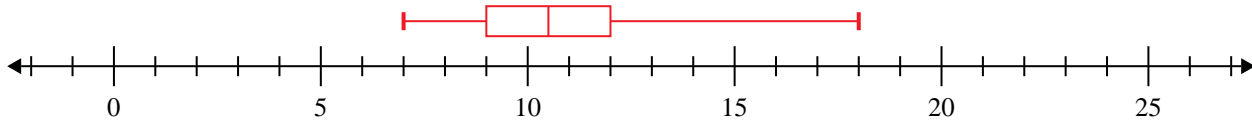
- 7) 19, 13, 12, 19, 9, 5, 13, 18, 8



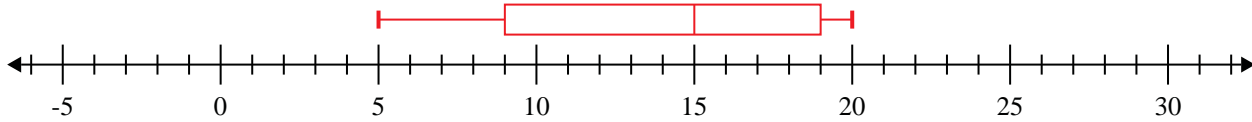


Create a box plot from the set of numbers.

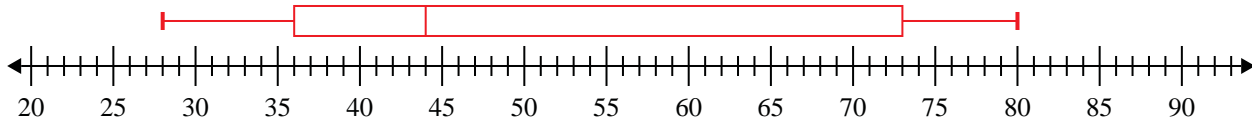
1) 11, 12, 10, 7, 9, 18 **Min=7 Max=18 q1=9 Q2=10.5 q3=12**



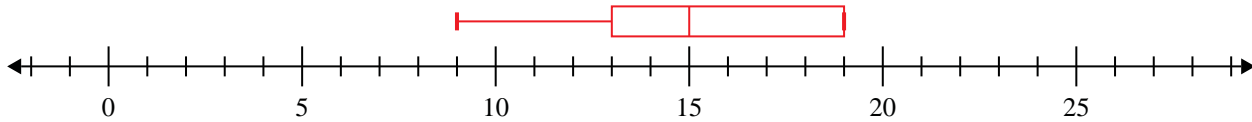
2) 9, 15, 19, 5, 20, 15 **Min=5 Max=20 q1=9 Q2=15 q3=19**



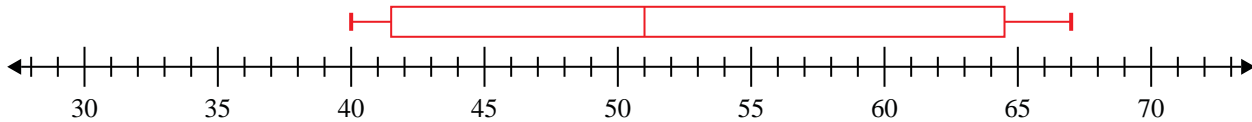
3) 38, 73, 28, 36, 80, 50 **Min=28 Max=80 q1=36 Q2=44 q3=73**



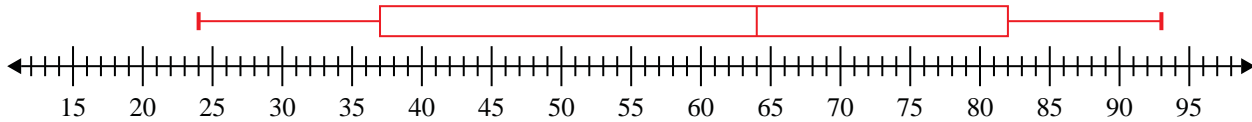
4) 9, 13, 19, 16, 14, 19 **Min=9 Max=19 q1=13 Q2=15 q3=19**



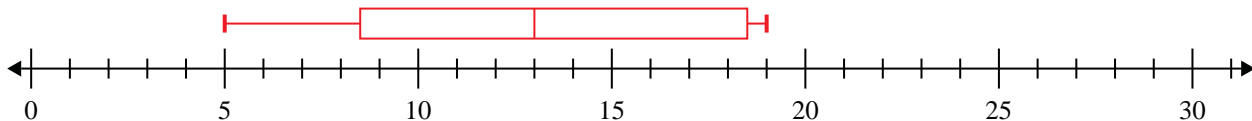
5) 57, 41, 40, 67, 66, 45, 63, 42 **Min=40 Max=67 q1=41.5 Q2=51 q3=64.5**



6) 37, 84, 70, 64, 24, 93, 25, 39, 82, 49, 82 **Min=24 Max=93 q1=37 Q2=64 q3=82**



7) 19, 13, 12, 19, 9, 5, 13, 18, 8 **Min=5 Max=19 q1=8.5 Q2=13 q3=18.5**





Find the 1st, 2nd (median) and 3rd quartile of the set of numbers.

- Ex) 21, 72, 43, 86, 21, 35, 23, 48, 78
 21, 21 | 23, 35, 43, 48, 72 | 78, 86
- 1) 91, 91, 91, 97, 65, 37, 41, 76, 87
 37, 41 | 65, 76, 87, 91, 91 | 91, 97
- 2) 7, 4, 5, 2, 7, 7, 2
 2, 2 | 4, 4 | 7, 7 | 7
- 3) 2, 4, 7, 3, 10, 2, 8, 7
 2, 2 | 3, 4 | 7, 7 | 8, 10
- 4) 89, 36, 49, 98, 40, 79, 28, 86
 28, 36 | 40, 49 | 79, 86 | 89, 98
- 5) 2, 7, 10, 10, 1, 7, 10
 1, 2 | 7, 7 | 10, 10 | 10
- 6) 48, 95, 73, 39, 78, 41, 89, 29, 95
 29, 39 | 41, 48, 73, 78, 89 | 95, 95
- 7) 42, 30, 79, 99, 72, 24, 89, 91, 78, 69
 24, 30, 42, 69, 72 | 78, 79, 89, 91, 99
- 8) 9, 3, 6, 2, 6, 1, 7, 8, 8
 1, 2 | 3, 6, 6 | 7, 8 | 8, 9
- 9) 76, 81, 37, 34, 48, 86, 78, 25, 53, 78, 21
 21, 25, 34, 37, 48, 53, 76, 78, 78, 81, 86
- 10) 7, 3, 9, 3, 8, 1, 10
 1, 3 | 3, 7 | 8, 9 | 10
- 11) 58, 95, 21, 37, 70, 74, 92, 73, 94, 21
 21, 21, 37, 58, 70 | 73, 74, 92, 94, 95
- 12) 1, 2, 7, 10, 2, 10, 5, 7, 8
 1, 2 | 2, 5, 7 | 7, 8 | 10, 10

Answers

Ex.	<u>22</u>	<u>43</u>	<u>75</u>
1.	<u>53</u>	<u>87</u>	<u>91</u>
2.	<u>2</u>	<u>5</u>	<u>7</u>
3.	<u>2.5</u>	<u>5.5</u>	<u>7.5</u>
4.	<u>38</u>	<u>64</u>	<u>87.5</u>
5.	<u>2</u>	<u>7</u>	<u>10</u>
6.	<u>40</u>	<u>73</u>	<u>92</u>
7.	<u>42</u>	<u>75</u>	<u>89</u>
8.	<u>2.5</u>	<u>6</u>	<u>8</u>
9.	<u>34</u>	<u>53</u>	<u>78</u>
10.	<u>3</u>	<u>7</u>	<u>9</u>
11.	<u>37</u>	<u>71.5</u>	<u>92</u>
12.	<u>2</u>	<u>7</u>	<u>9</u>



Using the set of numbers find the mean (rounded to the nearest tenth), median, mode and range.

1) 89, 76, 85, 76, 77, 84

Mean: $487 \div 6 = 81.2$

Median: 76, 76, 77, 80.5, 84, 85, 89

Mode: $76 = 2\times$

Range: $89 - 76 = 13$

2) 83, 97, 85, 84, 96, 80, 80, 87, 91

Mean: $783 \div 9 = 87$

Median: 80, 80, 83, 84, 85, 87, 91, 96, 97

Mode: $80 = 2\times$

Range: $97 - 80 = 17$

3) 30, 36, 47, 50, 50, 50

Mean: $263 \div 6 = 43.8$

Median: 30, 36, 47, 48.5, 50, 50, 50

Mode: $50 = 3\times$

Range: $50 - 30 = 20$

4) 79, 70, 71, 60, 60

Mean: $340 \div 5 = 68$

Median: 60, 60, 70, 71, 79

Mode: $60 = 2\times$

Range: $79 - 60 = 19$

5) 74, 61, 69, 74, 77, 63

Mean: $418 \div 6 = 69.7$

Median: 61, 63, 69, 71.5, 74, 74, 77

Mode: $74 = 2\times$

Range: $77 - 61 = 16$

6) 29, 22, 22, 17, 33, 32, 27

Mean: $182 \div 7 = 26$

Median: 17, 22, 22, 27, 29, 32, 33

Mode: $22 = 2\times$

Range: $33 - 17 = 16$

7) 58, 53, 64, 55, 65, 65, 60, 50

Mean: $470 \div 8 = 58.8$

Median: 50, 53, 55, 58, 59, 60, 64, 65, 65

Mode: $65 = 2\times$

Range: $65 - 50 = 15$

8) 88, 71, 77, 86, 75, 91, 86, 91, 91

Mean: $756 \div 9 = 84$

Median: 71, 75, 77, 86, 86, 88, 91, 91, 91

Mode: $91 = 3\times$

Range: $91 - 71 = 20$

9) 49, 45, 51, 49, 41, 34

Mean: $269 \div 6 = 44.8$

Median: 34, 41, 45, 47, 49, 49, 51

Mode: $49 = 2\times$

Range: $51 - 34 = 17$

10) 15, 8, 7, 21, 5, 21, 22, 17, 10

Mean: $126 \div 9 = 14$

Median: 5, 7, 8, 10, 15, 17, 21, 21, 22

Mode: $21 = 2\times$

Range: $22 - 5 = 17$

Answers

1. 81.2 80.5 76 13

2. 87 85 80 17

3. 43.8 48.5 50 20

4. 68 70 60 19

5. 69.7 71.5 74 16

6. 26 27 22 16

7. 58.8 59 65 15

8. 84 86 91 20

9. 44.8 47 49 17

10. 14 15 21 17