Name : _____ Score : _____

Five-Number Summary

Level 1: S1

Write the five-number summary for each set of data.

1) 42, 58, 67, 55, 40, 69, 66, 51, 46, 48, 68

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

2) 14, 11, 8, 1, 23, 20, 17, 5, 19, 10, 12, 22

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

3) 107, 92, 111, 119, 99, 100, 89, 94, 125, 93

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

4) 72, 60, 64, 75, 79, 63, 70, 61, 78

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

5) 21, 4, 18, 9, 25, 16, 27, 30, 33, 15, 31

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

6) 134, 47, 122, 113, 49, 56, 102, 93, 62

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

Name : _____ Score : _____

Answer Key

Five-Number Summary

Level 1: S1

Write the five-number summary for each set of data.

1) 42, 58, 67, 55, 40, 69, 66, 51, 46, 48, 68

Minimum : **40**

Q_1 : **46**

Q_2 : **55**

Q_3 : **67**

Maximum : **69**

2) 14, 11, 8, 1, 23, 20, 17, 5, 19, 10, 12, 22

Minimum : **1**

Q_1 : **9**

Q_2 : **13**

Q_3 : **19.5**

Maximum : **23**

3) 107, 92, 111, 119, 99, 100, 89, 94, 125, 93

Minimum : **89**

Q_1 : **93**

Q_2 : **99.5**

Q_3 : **111**

Maximum : **125**

4) 72, 60, 64, 75, 79, 63, 70, 61, 78

Minimum : **60**

Q_1 : **62**

Q_2 : **70**

Q_3 : **76.5**

Maximum : **79**

5) 21, 4, 18, 9, 25, 16, 27, 30, 33, 15, 31

Minimum : **4**

Q_1 : **15**

Q_2 : **21**

Q_3 : **30**

Maximum : **33**

6) 134, 47, 122, 113, 49, 56, 102, 93, 62

Minimum : **47**

Q_1 : **52.5**

Q_2 : **93**

Q_3 : **117.5**

Maximum : **134**

Name : _____ Score : _____

Five-Number Summary

Level 1: S2

Write the five-number summary for each set of data.

1) 122, 79, 92, 84, 105, 128, 99, 131, 74

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

2) 66, 94, 82, 91, 87, 98, 80, 93, 66, 94

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

3) 8, 11, 58, 32, 9, 50, 27, 10, 29, 5, 7, 22

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

4) 137, 28, 36, 120, 49, 45, 65, 119

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

5) 68, 93, 76, 46, 96, 72, 86, 52, 77, 68

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

6) 27, 12, 3, 1, 6, 31, 34, 28, 19, 14, 23

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

Name : _____ Score : _____

Answer Key

Five-Number Summary

Level 1: S2

Write the five-number summary for each set of data.

1) 122, 79, 92, 84, 105, 128, 99, 131, 74

Minimum : **74**

Q_1 : **81.5**

Q_2 : **99**

Q_3 : **125**

Maximum : **131**

2) 66, 94, 82, 91, 87, 98, 80, 93, 66, 94

Minimum : **66**

Q_1 : **80**

Q_2 : **89**

Q_3 : **94**

Maximum : **98**

3) 8, 11, 58, 32, 9, 50, 27, 10, 29, 5, 7, 22

Minimum : **5**

Q_1 : **8.5**

Q_2 : **16.5**

Q_3 : **30.5**

Maximum : **58**

4) 137, 28, 36, 120, 49, 45, 65, 119

Minimum : **28**

Q_1 : **40.5**

Q_2 : **57**

Q_3 : **119.5**

Maximum : **137**

5) 68, 93, 76, 46, 96, 72, 86, 52, 77, 68

Minimum : **46**

Q_1 : **68**

Q_2 : **74**

Q_3 : **86**

Maximum : **96**

6) 27, 12, 3, 1, 6, 31, 34, 28, 19, 14, 23

Minimum : **1**

Q_1 : **6**

Q_2 : **19**

Q_3 : **28**

Maximum : **34**

Name : _____ Score : _____

Five-Number Summary

Level 1: S3

Write the five-number summary for each set of data.

1) 26, 19, 16, 30, 9, 7, 10, 22, 15, 31, 34, 13

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

2) 76, 105, 116, 88, 76, 122, 84, 116

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

3) 35, 87, 69, 39, 63, 82, 71, 90, 39

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

4) 27, 4, 33, 6, 21, 47, 52, 2, 4, 24, 30

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

5) 122, 160, 89, 42, 89, 115, 71, 48

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

6) 37, 66, 72, 85, 81, 98, 22, 15, 10, 83

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

Name : _____ Score : _____

Answer Key

Five-Number Summary

Level 1: S3

Write the five-number summary for each set of data.

1) 26, 19, 16, 30, 9, 7, 10, 22, 15, 31, 34, 13

Minimum : **7**

Q_1 : **11.5**

Q_2 : **17.5**

Q_3 : **28**

Maximum : **34**

2) 76, 105, 116, 88, 76, 122, 84, 116

Minimum : **76**

Q_1 : **80**

Q_2 : **96.5**

Q_3 : **116**

Maximum : **122**

3) 35, 87, 69, 39, 63, 82, 71, 90, 39

Minimum : **35**

Q_1 : **39**

Q_2 : **69**

Q_3 : **84.5**

Maximum : **90**

4) 27, 4, 33, 6, 21, 47, 52, 2, 4, 24, 30

Minimum : **2**

Q_1 : **4**

Q_2 : **24**

Q_3 : **33**

Maximum : **52**

5) 122, 160, 89, 42, 89, 115, 71, 48

Minimum : **42**

Q_1 : **59.5**

Q_2 : **89**

Q_3 : **118.5**

Maximum : **160**

6) 37, 66, 72, 85, 81, 98, 22, 15, 10, 83

Minimum : **10**

Q_1 : **22**

Q_2 : **69**

Q_3 : **83**

Maximum : **98**

Name : _____ Score : _____

Five-Number Summary

Level 2: S1

Write the five-number summary for each set of data.

1) 6, 74, 12.5, 59, 71.7, 9.5, 59, 16, 14, 2, 24.9, 15

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

2) 79, 125, 156, 37, 13, 109, 49, 37, 119, 60, 19, 25, 142

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

3) 76, 81, 5, 3, 18, 15, 35, 7, 21, 36, 10, 52, 94, 7, 40

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

4) 29, 96, 1.8, 146, 7.6, 100, 55, 179, 84, 9.3, 109

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

Name : _____ Score : _____

Answer Key

Five-Number Summary

Level 2: S1

Write the five-number summary for each set of data.

1) 6, 74, 12.5, 59, 71.7, 9.5, 59, 16, 14, 2, 24.9, 15

Minimum : **2**

Q_1 : **11**

Q_2 : **15.5**

Q_3 : **59**

Maximum : **74**

2) 79, 125, 156, 37, 13, 109, 49, 37, 119, 60, 19, 25, 142

Minimum : **13**

Q_1 : **31**

Q_2 : **60**

Q_3 : **122**

Maximum : **156**

3) 76, 81, 5, 3, 18, 15, 35, 7, 21, 36, 10, 52, 94, 7, 40

Minimum : **3**

Q_1 : **7**

Q_2 : **21**

Q_3 : **52**

Maximum : **94**

4) 29, 96, 1.8, 146, 7.6, 100, 55, 179, 84, 9.3, 109

Minimum : **1.8**

Q_1 : **9.3**

Q_2 : **84**

Q_3 : **109**

Maximum : **179**

Name : _____ Score : _____

Five-Number Summary

Level 2: S2

Write the five-number summary for each set of data.

1) 20, 11, 174, 136, 76, 64, 48, 119, 127, 104, 137, 26, 83, 145

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

2) 51, 11.7, 86, 39.8, 20.9, 97, 44.2, 4, 6, 10, 71, 86, 17.1, 21, 8

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

3) 62, 107, 119, 7.6, 3.8, 54, 89, 127, 123, 9.3, 43, 31

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

4) 23, 9, 16, 99, 90, 77, 16, 3, 82, 64, 5, 37, 45

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

Name : _____ Score : _____

Answer Key

Five-Number Summary

Level 2: S2

Write the five-number summary for each set of data.

1) 20, 11, 174, 136, 76, 64, 48, 119, 127, 104, 137, 26, 83, 145

Minimum : **11**

Q_1 : **48**

Q_2 : **93.5**

Q_3 : **136**

Maximum : **174**

2) 51, 11.7, 86, 39.8, 20.9, 97, 44.2, 4, 6, 10, 71, 86, 17.1, 21, 8

Minimum : **4**

Q_1 : **10**

Q_2 : **21**

Q_3 : **71**

Maximum : **97**

3) 62, 107, 119, 7.6, 3.8, 54, 89, 127, 123, 9.3, 43, 31

Minimum : **3.8**

Q_1 : **20.15**

Q_2 : **58**

Q_3 : **113**

Maximum : **127**

4) 23, 9, 16, 99, 90, 77, 16, 3, 82, 64, 5, 37, 45

Minimum : **3**

Q_1 : **12.5**

Q_2 : **37**

Q_3 : **79.5**

Maximum : **99**

Name : _____ Score : _____

Five-Number Summary

Level 2: S3

Write the five-number summary for each set of data.

1) 29, 4, 14, 34, 10, 8, 56, 14, 79, 61, 88, 70, 8, 13, 31

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

2) 45, 152, 4.7, 6.3, 1.5, 66, 89, 116, 134, 161, 57

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

3) 17, 116, 41, 87, 65, 105, 118, 93, 114, 22, 74, 114, 87

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

4) 23.4, 39.1, 55, 69, 9, 2, 16.9, 28, 17.3, 70, 36, 41.7, 1, 27

Minimum : _____

Q_1 : _____

Q_2 : _____

Q_3 : _____

Maximum : _____

Name : _____ Score : _____

Answer Key

Five-Number Summary

Level 2: S3

Write the five-number summary for each set of data.

1) 29, 4, 14, 34, 10, 8, 56, 14, 79, 61, 88, 70, 8, 13, 31

Minimum : **4**

Q_1 : **10**

Q_2 : **29**

Q_3 : **61**

Maximum : **88**

2) 45, 152, 4.7, 6.3, 1.5, 66, 89, 116, 134, 161, 57

Minimum : **1.5**

Q_1 : **6.3**

Q_2 : **66**

Q_3 : **134**

Maximum : **161**

3) 17, 116, 41, 87, 65, 105, 118, 93, 114, 22, 74, 114, 87

Minimum : **17**

Q_1 : **53**

Q_2 : **87**

Q_3 : **114**

Maximum : **118**

4) 23.4, 39.1, 55, 69, 9, 2, 16.9, 28, 17.3, 70, 36, 41.7, 1, 27

Minimum : **1**

Q_1 : **16.9**

Q_2 : **27.5**

Q_3 : **41.7**

Maximum : **70**

Name : _____ Score : _____

Box-and-Whisker Plot

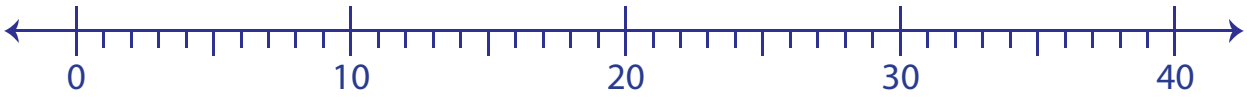
Level 1: S1

Make box-and-whisker plots for the given data.

1) 17, 29, 32, 9, 30, 14, 8, 39, 11, 32, 23

Minimum : _____ Maximum : _____

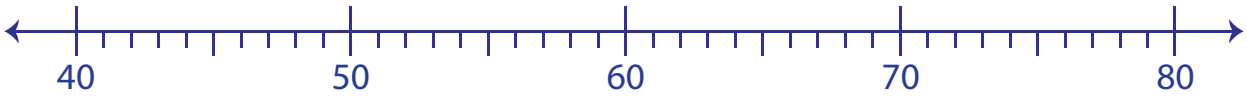
Q_1 : _____ Q_2 : _____ Q_3 : _____



2) 58, 67, 44, 72, 51, 42, 60, 46, 69

Minimum : _____ Maximum : _____

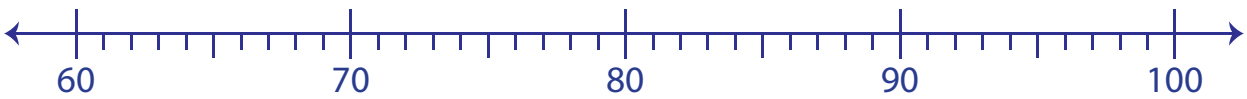
Q_1 : _____ Q_2 : _____ Q_3 : _____



3) 67, 100, 94, 77, 80, 62, 79, 68, 95, 86, 73, 84

Minimum : _____ Maximum : _____

Q_1 : _____ Q_2 : _____ Q_3 : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

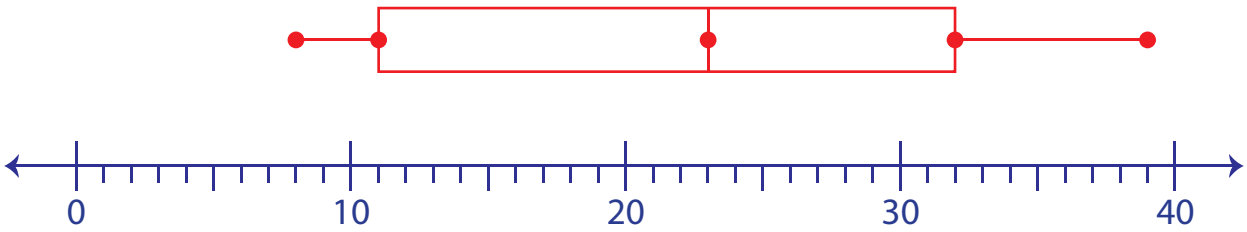
Level 1: S1

Make box-and-whisker plots for the given data.

1) 17, 29, 32, 9, 30, 14, 8, 39, 11, 32, 23

Minimum : **8** Maximum : **39**

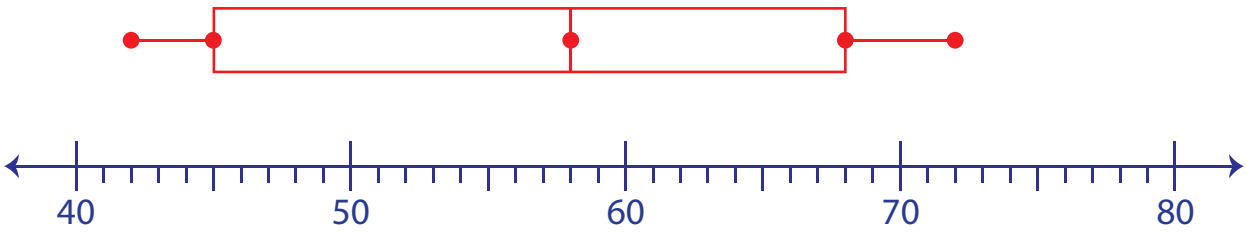
Q_1 : **11** Q_2 : **23** Q_3 : **32**



2) 58, 67, 44, 72, 51, 42, 60, 46, 69

Minimum : **42** Maximum : **72**

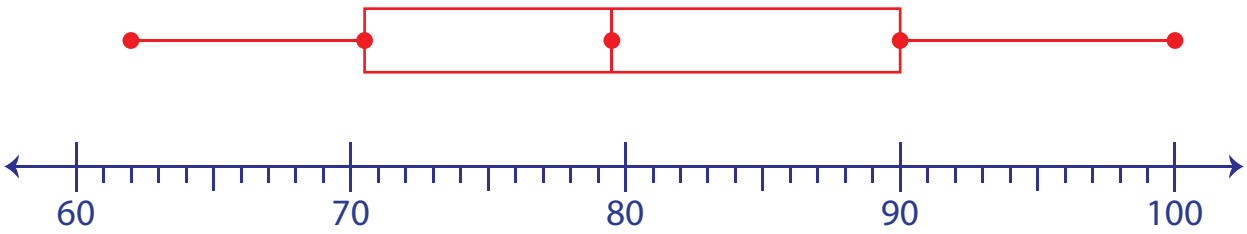
Q_1 : **45** Q_2 : **58** Q_3 : **68**



3) 67, 100, 94, 77, 80, 62, 79, 68, 95, 86, 73, 84

Minimum : **62** Maximum : **100**

Q_1 : **70.5** Q_2 : **79.5** Q_3 : **90**



Name : _____ Score : _____

Box-and-Whisker Plot

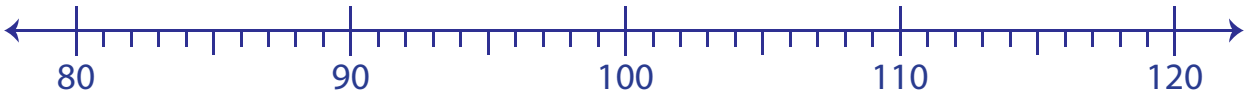
Level 1: S2

Make box-and-whisker plots for the given data.

1) 109, 94, 87, 103, 89, 112, 98, 115, 99

Minimum : _____ Maximum : _____

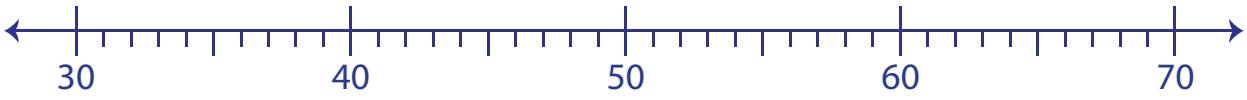
Q_1 : _____ Q_2 : _____ Q_3 : _____



2) 45, 56, 38, 52, 61, 33, 40, 65, 31, 49, 57, 40

Minimum : _____ Maximum : _____

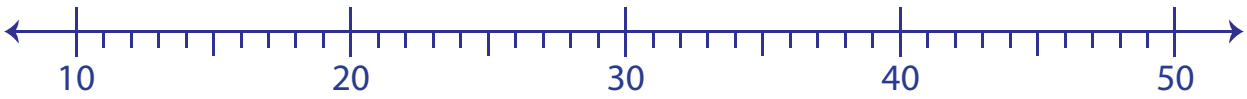
Q_1 : _____ Q_2 : _____ Q_3 : _____



3) 39, 22, 16, 30, 44, 19, 25, 13, 29, 35

Minimum : _____ Maximum : _____

Q_1 : _____ Q_2 : _____ Q_3 : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

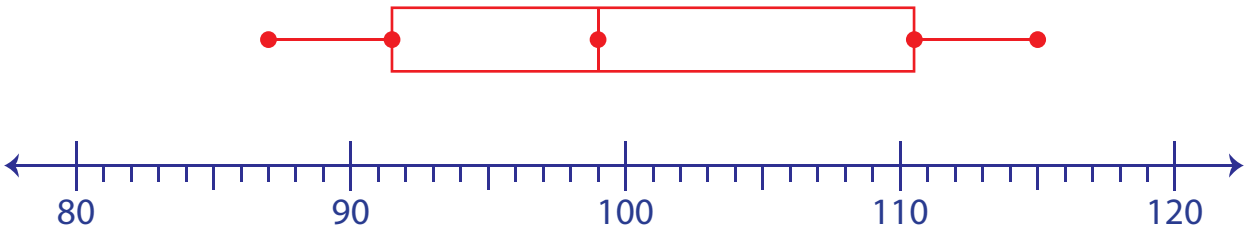
Level 1: S2

Make box-and-whisker plots for the given data.

1) 109, 94, 87, 103, 89, 112, 98, 115, 99

Minimum : **87** Maximum : **115**

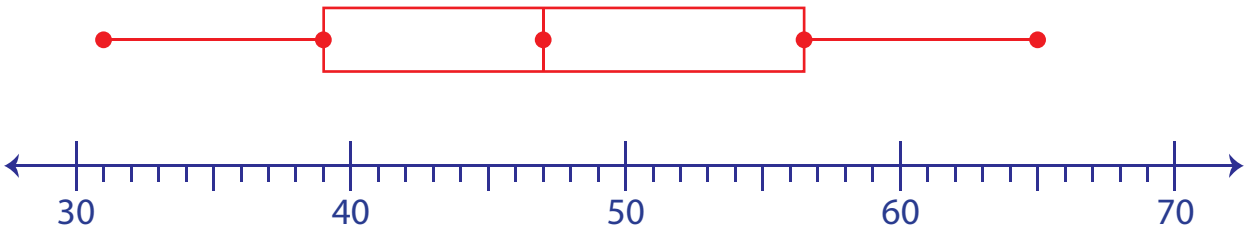
Q_1 : **91.5** Q_2 : **99** Q_3 : **110.5**



2) 45, 56, 38, 52, 61, 33, 40, 65, 31, 49, 57, 40

Minimum : **31** Maximum : **65**

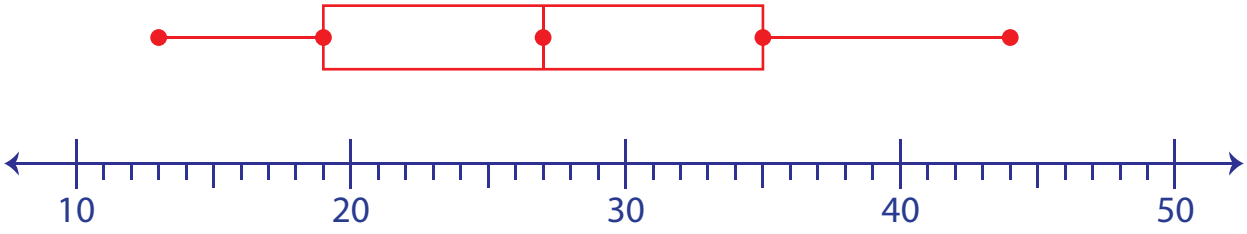
Q_1 : **39** Q_2 : **47** Q_3 : **56.5**



3) 39, 22, 16, 30, 44, 19, 25, 13, 29, 35

Minimum : **13** Maximum : **44**

Q_1 : **19** Q_2 : **27** Q_3 : **35**



Name : _____ Score : _____

Box-and-Whisker Plot

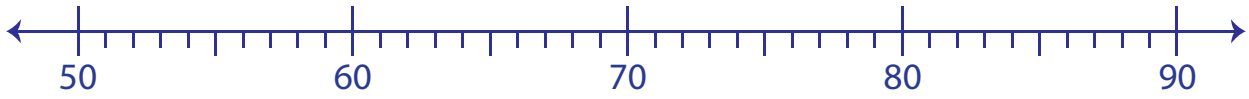
Level 1: S3

Make box-and-whisker plots for the given data.

1) 79, 55, 82, 63, 87, 71, 54, 80, 65, 76, 57, 68

Minimum : _____ Maximum : _____

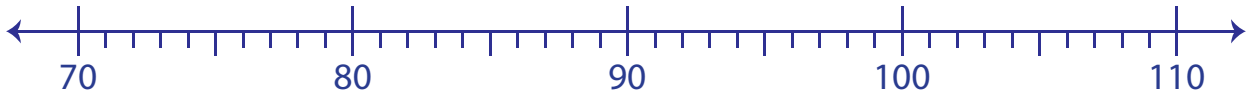
Q_1 : _____ Q_2 : _____ Q_3 : _____



2) 92, 75, 81, 99, 75, 103, 86, 107, 94, 83

Minimum : _____ Maximum : _____

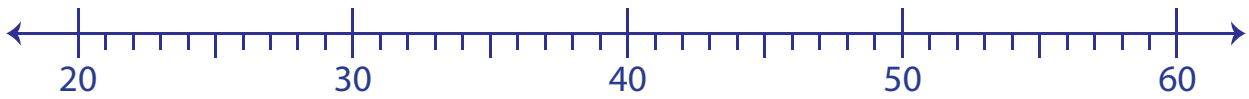
Q_1 : _____ Q_2 : _____ Q_3 : _____



3) 40, 28, 37, 48, 53, 31, 45, 23, 34

Minimum : _____ Maximum : _____

Q_1 : _____ Q_2 : _____ Q_3 : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

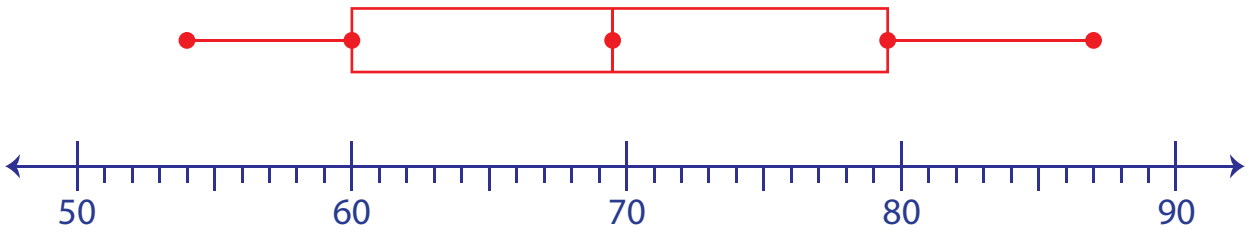
Level 1: S3

Make box-and-whisker plots for the given data.

1) 79, 55, 82, 63, 87, 71, 54, 80, 65, 76, 57, 68

Minimum : **54** Maximum : **87**

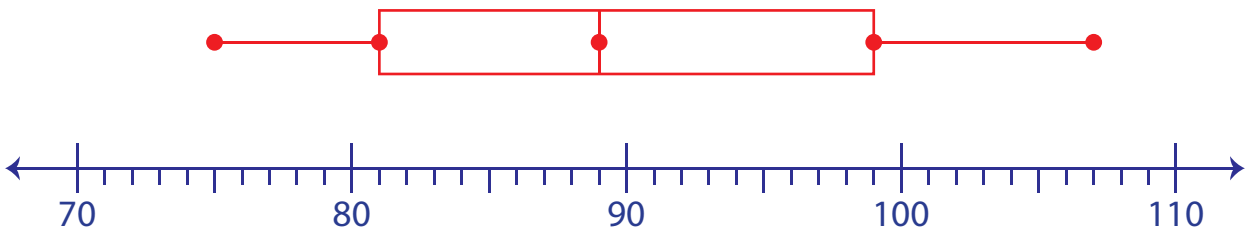
Q_1 : **60** Q_2 : **69.5** Q_3 : **79.5**



2) 92, 75, 81, 99, 75, 103, 86, 107, 94, 83

Minimum : **75** Maximum : **107**

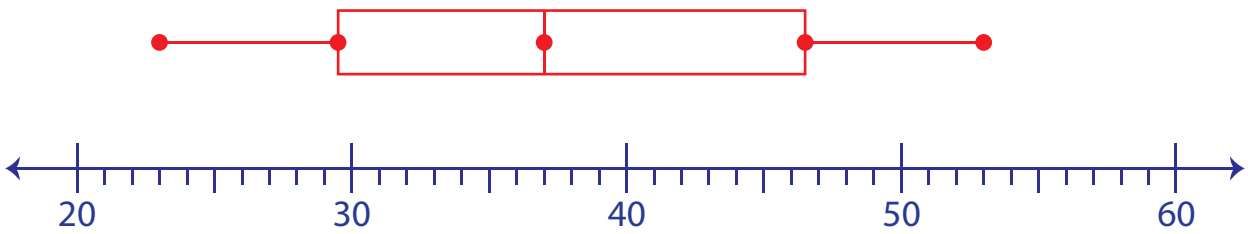
Q_1 : **81** Q_2 : **89** Q_3 : **99**



3) 40, 28, 37, 48, 53, 31, 45, 23, 34

Minimum : **23** Maximum : **53**

Q_1 : **29.5** Q_2 : **37** Q_3 : **46.5**



Name : _____ Score : _____

Box-and-Whisker Plot

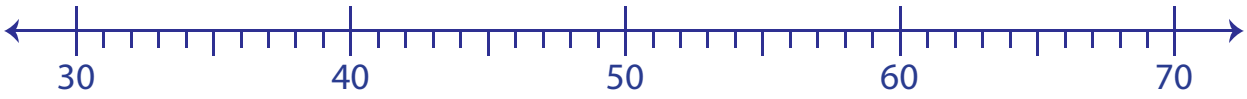
Level 2: S1

Make box-and-whisker plots for the given data.

1) 55, 62.5, 39.1, 45, 54.3, 61, 37, 40, 68, 42.7, 59, 48, 50, 33

Minimum : _____ Maximum : _____

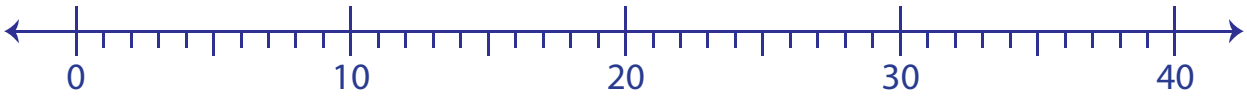
Q_1 : _____ Q_2 : _____ Q_3 : _____



2) 21, 12, 9, 22, 17, 34, 27, 19, 7, 17, 24, 11, 13

Minimum : _____ Maximum : _____

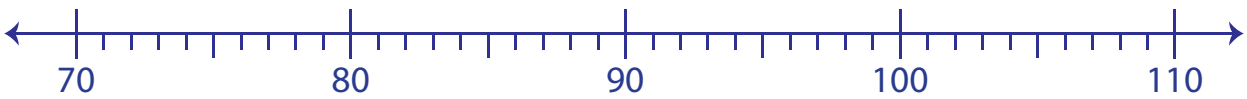
Q_1 : _____ Q_2 : _____ Q_3 : _____



3) 83.7, 98, 73, 105, 92, 71.5, 86, 97, 78, 90.5, 109, 88, 95.8, 79, 98

Minimum : _____ Maximum : _____

Q_1 : _____ Q_2 : _____ Q_3 : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

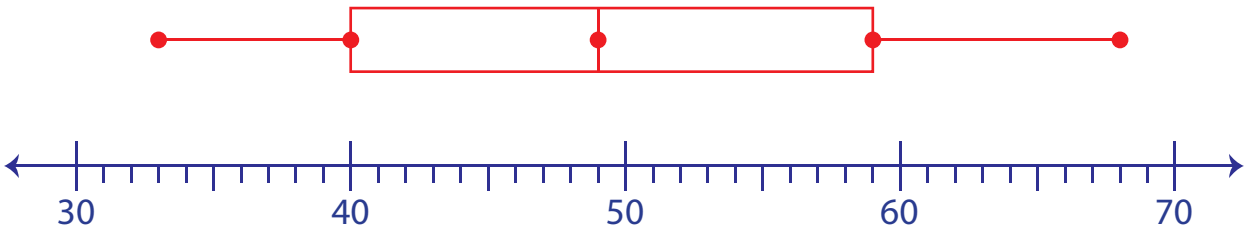
Level 2: S1

Make box-and-whisker plots for the given data.

1) 55, 62.5, 39.1, 45, 54.3, 61, 37, 40, 68, 42.7, 59, 48, 50, 33

Minimum : **33** Maximum : **68**

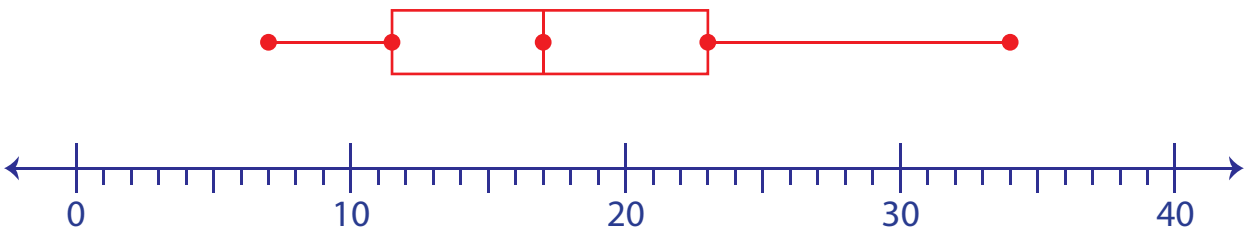
Q_1 : **40** Q_2 : **49** Q_3 : **59**



2) 21, 12, 9, 22, 17, 34, 27, 19, 7, 17, 24, 11, 13

Minimum : **7** Maximum : **34**

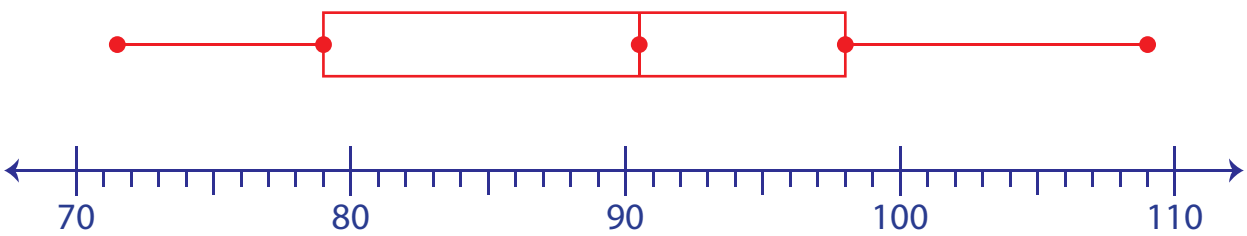
Q_1 : **11.5** Q_2 : **17** Q_3 : **23**



3) 83.7, 98, 73, 105, 92, 71.5, 86, 97, 78, 90.5, 109, 88, 95.8, 79, 98

Minimum : **71.5** Maximum : **109**

Q_1 : **79** Q_2 : **90.5** Q_3 : **98**



Name : _____ Score : _____

Box-and-Whisker Plot

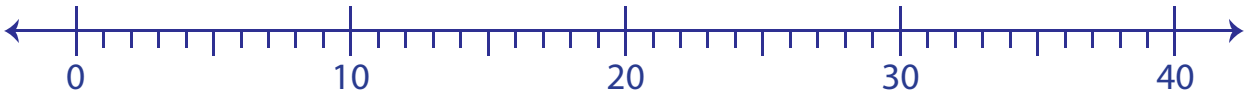
Level 2: S2

Make box-and-whisker plots for the given data.

1) 34, 10, 27, 13, 6, 36, 9, 13, 22, 18, 31

Minimum : _____ Maximum : _____

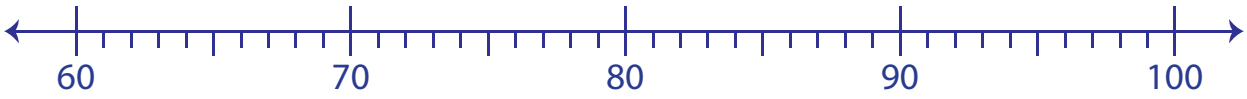
Q_1 : _____ Q_2 : _____ Q_3 : _____



2) 93, 68, 79, 100, 67, 82, 91, 63, 72.5, 88, 95, 76.7, 98, 83.5, 90

Minimum : _____ Maximum : _____

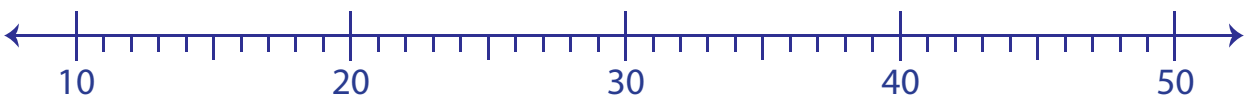
Q_1 : _____ Q_2 : _____ Q_3 : _____



3) 19.2, 26, 33, 45, 29.4, 12, 30, 47, 38, 20, 43, 23, 37.5, 41

Minimum : _____ Maximum : _____

Q_1 : _____ Q_2 : _____ Q_3 : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

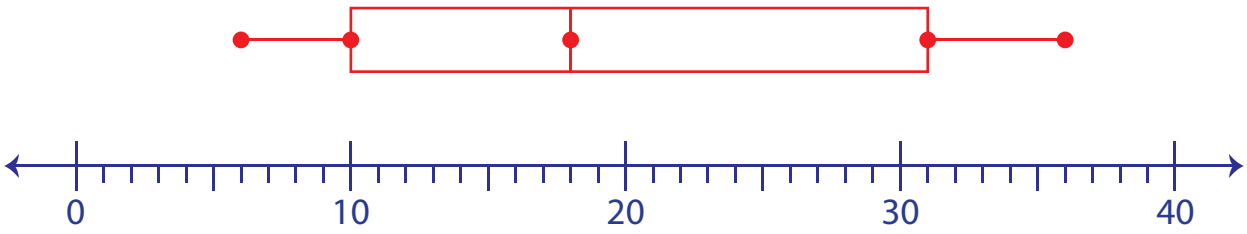
Level 2: S2

Make box-and-whisker plots for the given data.

1) 34, 10, 27, 13, 6, 36, 9, 13, 22, 18, 31

Minimum : **6** Maximum : **36**

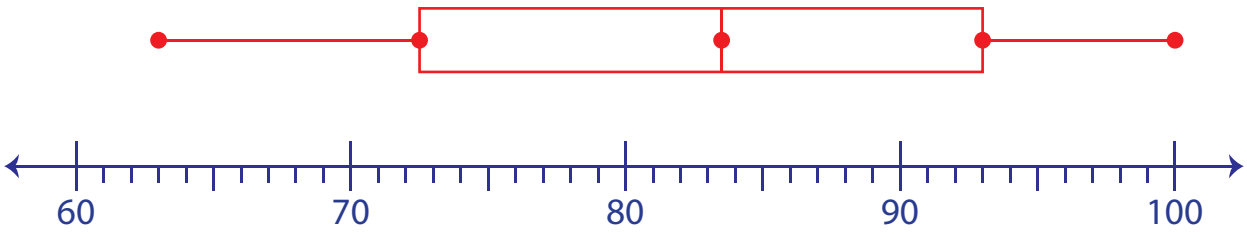
Q_1 : **10** Q_2 : **18** Q_3 : **31**



2) 93, 68, 79, 100, 67, 82, 91, 63, 72.5, 88, 95, 76.7, 98, 83.5, 90

Minimum : **63** Maximum : **100**

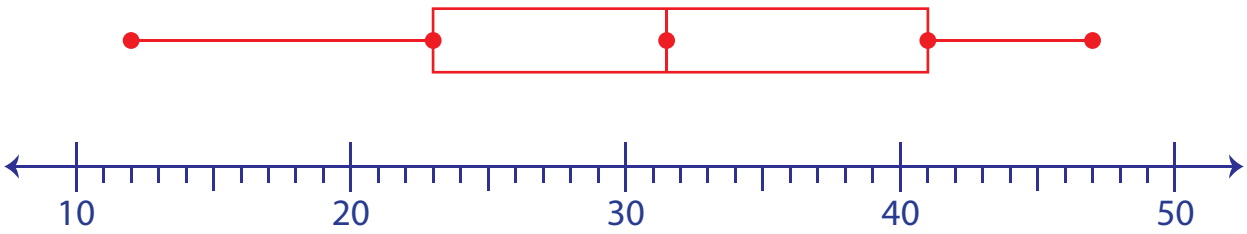
Q_1 : **72.5** Q_2 : **83.5** Q_3 : **93**



3) 19.2, 26, 33, 45, 29.4, 12, 30, 47, 38, 20, 43, 23, 37.5, 41

Minimum : **12** Maximum : **47**

Q_1 : **23** Q_2 : **31.5** Q_3 : **41**



Name : _____ Score : _____

Box-and-Whisker Plot

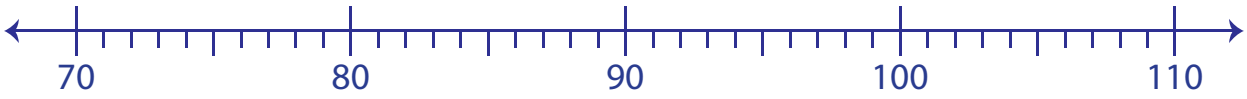
Level 2: S3

Make box-and-whisker plots for the given data.

1) 88, 91.7, 76.4, 80, 107, 99, 85, 73, 91.5, 104.8, 79, 92, 100

Minimum : _____ Maximum : _____

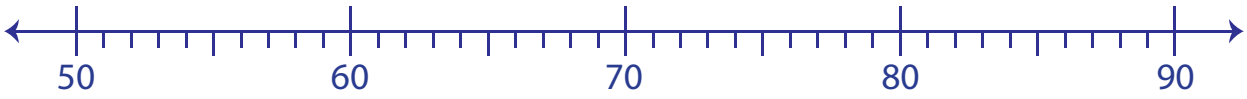
Q_1 : _____ Q_2 : _____ Q_3 : _____



2) 59, 65, 73, 86, 57.5, 80.5, 73, 81, 84, 78.9, 65

Minimum : _____ Maximum : _____

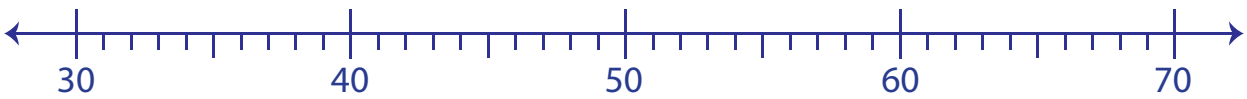
Q_1 : _____ Q_2 : _____ Q_3 : _____



3) 39, 53.8, 64.3, 37, 41, 67.5, 47, 54, 58, 36, 43, 41

Minimum : _____ Maximum : _____

Q_1 : _____ Q_2 : _____ Q_3 : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

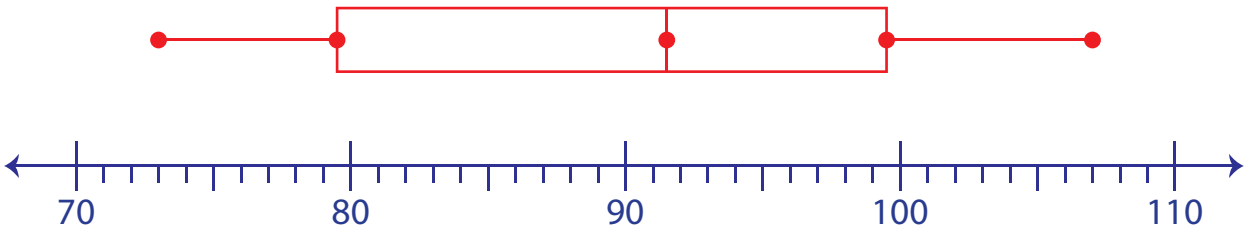
Level 2: S3

Make box-and-whisker plots for the given data.

1) 88, 91.7, 76.4, 80, 107, 99, 85, 73, 91.5, 104.8, 79, 92, 100

Minimum : **73** Maximum : **107**

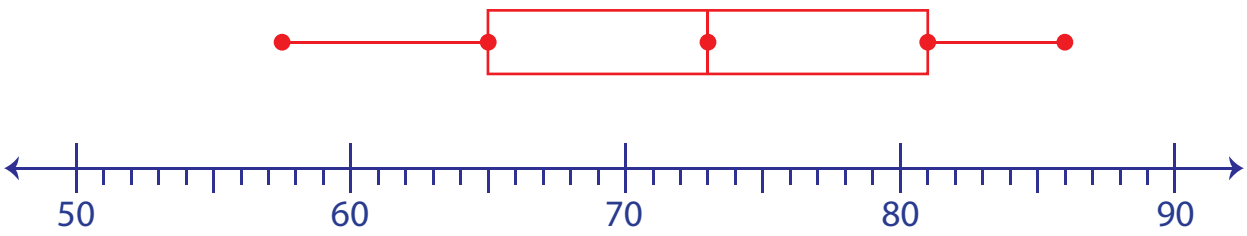
Q_1 : **79.5** Q_2 : **91.5** Q_3 : **99.5**



2) 59, 65, 73, 86, 57.5, 80.5, 73, 81, 84, 78.9, 65

Minimum : **57.5** Maximum : **86**

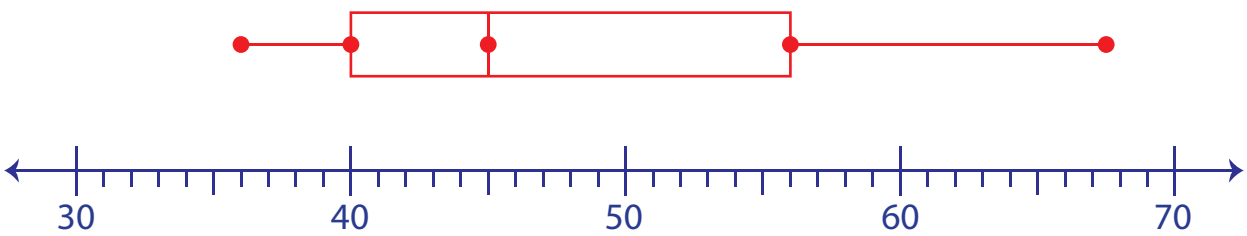
Q_1 : **65** Q_2 : **73** Q_3 : **81**



3) 39, 53.8, 64.3, 37, 41, 67.5, 47, 54, 58, 36, 43, 41

Minimum : **36** Maximum : **67.5**

Q_1 : **40** Q_2 : **45** Q_3 : **56**



Name : _____ Score : _____

Box-and-Whisker Plot

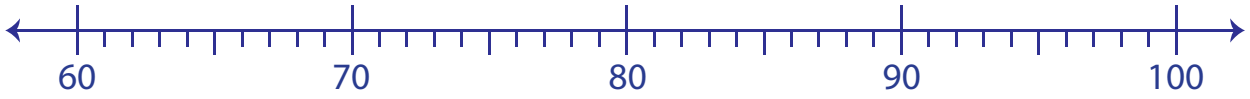
Sheet 1

1) The teacher recorded the math scores of top ten students in grade V. Their scores are as follows.

86, 92, 75, 81, 93, 99, 89, 90, 84, 93

Make a box-and-whisker plot.

Min : _____, Q_1 : _____, Q_2 : _____, Q_3 : _____, Max : _____

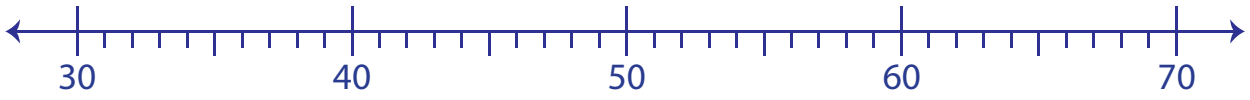


2) Eleven staff from a university visited a museum. The below given data shows their ages noted by a volunteer of the museum to issue tickets.

42, 46, 50, 52, 53, 50, 51, 38, 48, 47, 43

Make a box-and-whisker plot.

Min : _____, Q_1 : _____, Q_2 : _____, Q_3 : _____, Max : _____

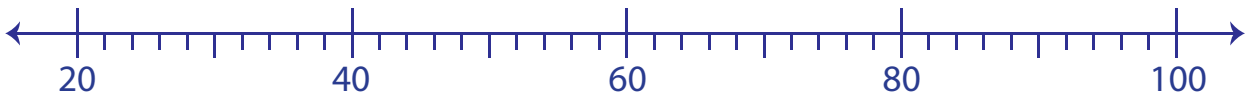


3) The figures shown below are the sales of twelve vegetables (in pounds) at a supermarket in a day.

24, 34, 98, 44, 72, 56, 52, 50, 38, 22, 20, 60

Make a box-and-whisker plot.

Min : _____, Q_1 : _____, Q_2 : _____, Q_3 : _____, Max : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

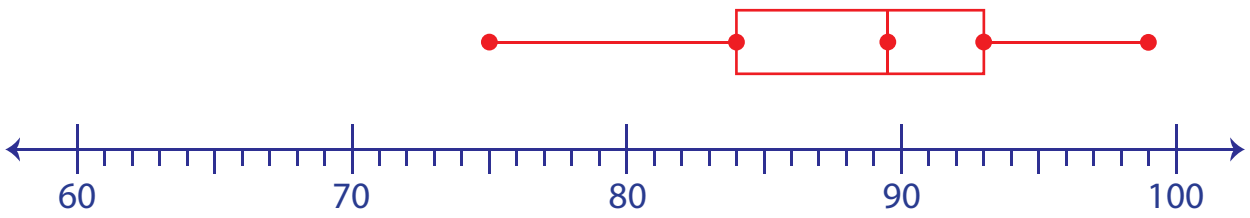
Sheet 1

1) The teacher recorded the math scores of top ten students in grade V. Their scores are as follows.

86, 92, 75, 81, 93, 99, 89, 90, 84, 93

Make a box-and-whisker plot.

Min : **75**, Q_1 : **84**, Q_2 : **89.5**, Q_3 : **93**, Max : **99**

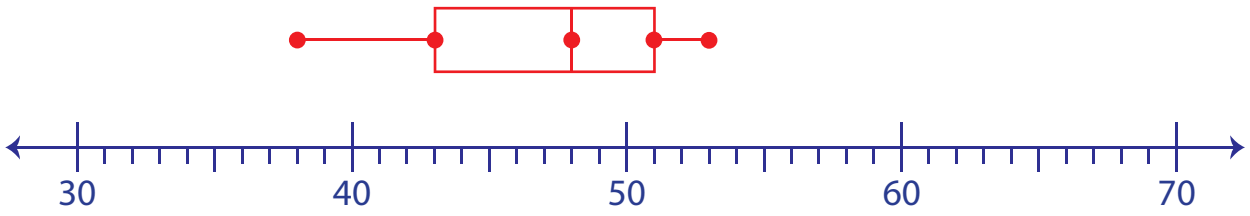


2) Eleven staff from a university visited a museum. The below given data shows their ages noted by a volunteer of the museum to issue tickets.

42, 46, 50, 52, 53, 50, 51, 38, 48, 47, 43

Make a box-and-whisker plot.

Min : **38**, Q_1 : **43**, Q_2 : **48**, Q_3 : **51**, Max : **53**

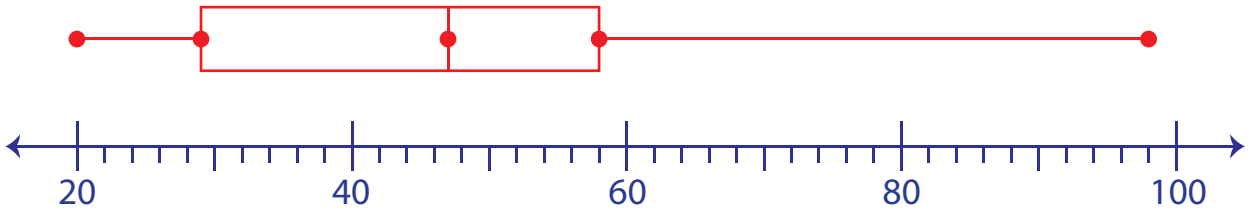


3) The figures shown below are the sales of twelve vegetables (in pounds) at a supermarket in a day.

24, 34, 98, 44, 72, 56, 52, 50, 38, 22, 20, 60

Make a box-and-whisker plot.

Min : **20**, Q_1 : **29**, Q_2 : **47**, Q_3 : **58**, Max : **98**



Name : _____ Score : _____

Box-and-Whisker Plot

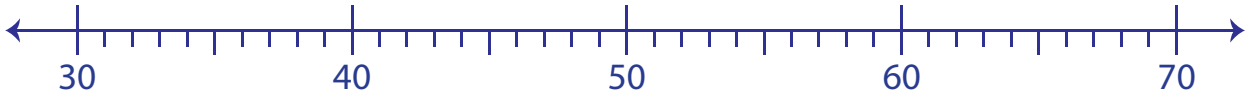
Sheet 2

1) The data for the number of research papers published by a scientist every year, from 2004 to 2015 are given below.

32, 67, 64, 57, 56, 62, 39, 33, 51, 70, 55, 49

Make a box-and-whisker plot.

Min : _____ , Q_1 : _____ , Q_2 : _____ , Q_3 : _____ , Max : _____

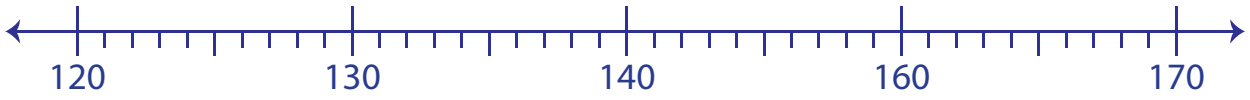


2) A hospital conducted 10 blood donation camps at different places across the state. The data shows the number of volunteers who donated blood.

125, 130, 152, 165, 168, 142, 134, 170, 131, 146

Make a box-and-whisker plot.

Min : _____ , Q_1 : _____ , Q_2 : _____ , Q_3 : _____ , Max : _____

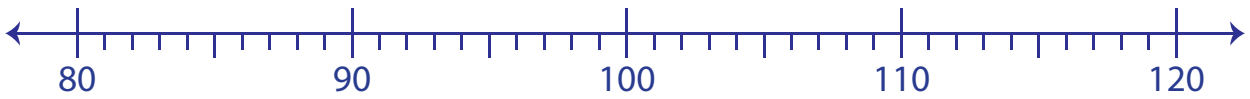


3) John's desktop computer has various softwares installed. The data (in MB) of the sizes of eleven softwares are given below.

96, 88, 113, 82, 95, 99, 108, 119, 84, 94, 105

Make a box-and-whisker plot.

Min : _____ , Q_1 : _____ , Q_2 : _____ , Q_3 : _____ , Max : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

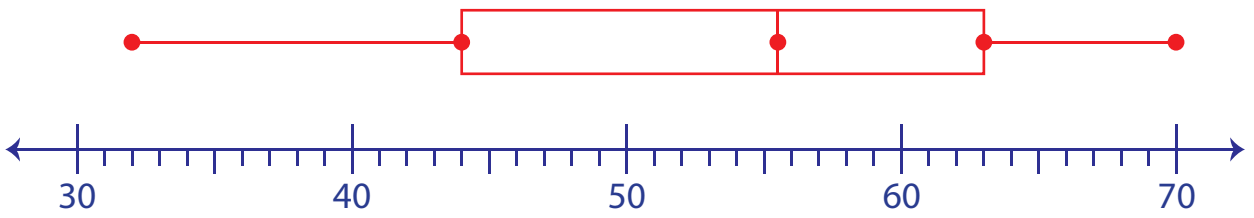
Sheet 2

1) The data for the number of research papers published by a scientist every year, from 2004 to 2015 are given below.

32, 67, 64, 57, 56, 62, 39, 33, 51, 70, 55, 49

Make a box-and-whisker plot.

Min : **32** , Q_1 : **44** , Q_2 : **55.5** , Q_3 : **63** , Max : **70**

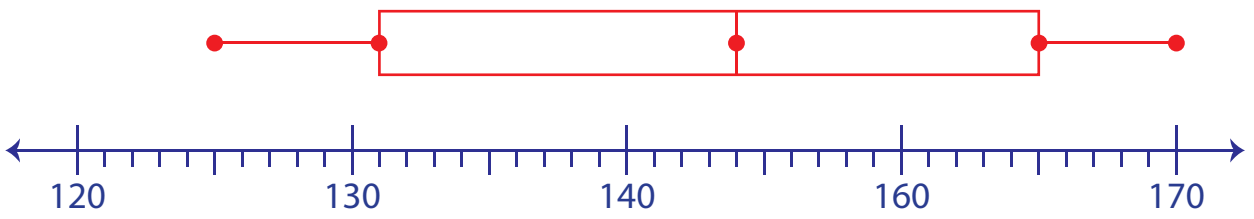


2) A hospital conducted 10 blood donation camps at different places across the state. The data shows the number of volunteers who donated blood.

125, 130, 152, 165, 168, 142, 134, 170, 131, 146

Make a box-and-whisker plot.

Min : **125** , Q_1 : **131** , Q_2 : **144** , Q_3 : **165** , Max : **170**

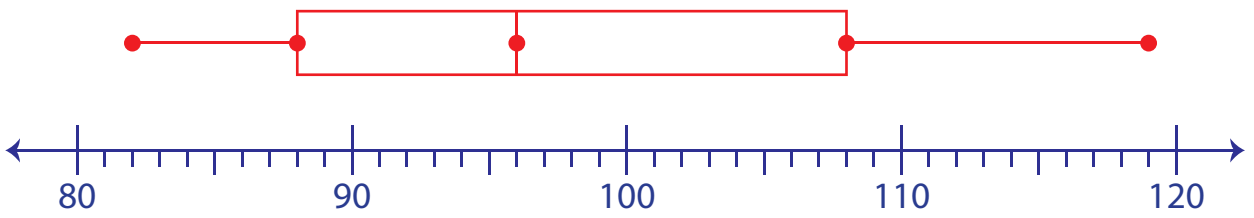


3) John's desktop computer has various softwares installed. The data (in MB) of the sizes of eleven softwares are given below.

96, 88, 113, 82, 95, 99, 108, 119, 84, 94, 105

Make a box-and-whisker plot.

Min : **82** , Q_1 : **88** , Q_2 : **96** , Q_3 : **108** , Max : **119**



Name : _____ Score : _____

Box-and-Whisker Plot

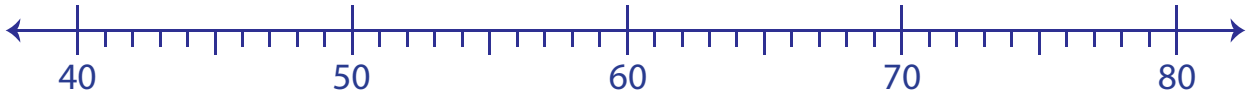
Sheet 3

1) Ten teams were a part of a band parade to perform the Independence day celebrations. The data represented below shows the number of participants in each team.

50, 59, 72, 58, 41, 65, 45, 69, 54, 76

Make a box-and-whisker plot.

Min : _____, Q_1 : _____, Q_2 : _____, Q_3 : _____, Max : _____

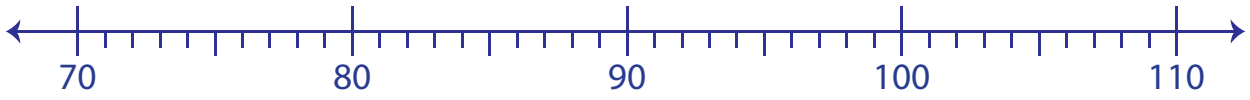


2) Mr. Thomson's bakery sold a variety of items to the customers. The data shows the sales of twelve different bakery items in a day.

83, 100, 109, 78, 87, 98, 97, 103, 85, 106, 91, 80

Make a box-and-whisker plot.

Min : _____, Q_1 : _____, Q_2 : _____, Q_3 : _____, Max : _____

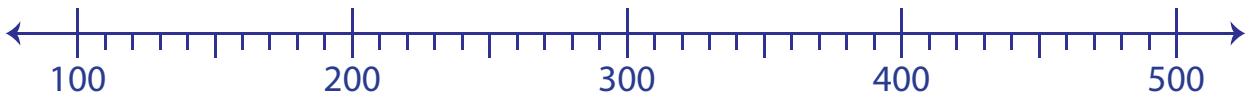


3) An executive makes 10 promotional calls to the customers to promote his service. The duration of each call (in seconds) is recorded below.

413, 387, 280, 311, 368, 400, 420, 300, 295, 332

Make a box-and-whisker plot.

Min : _____, Q_1 : _____, Q_2 : _____, Q_3 : _____, Max : _____



Name : _____ Score : _____

Answer Key

Box-and-Whisker Plot

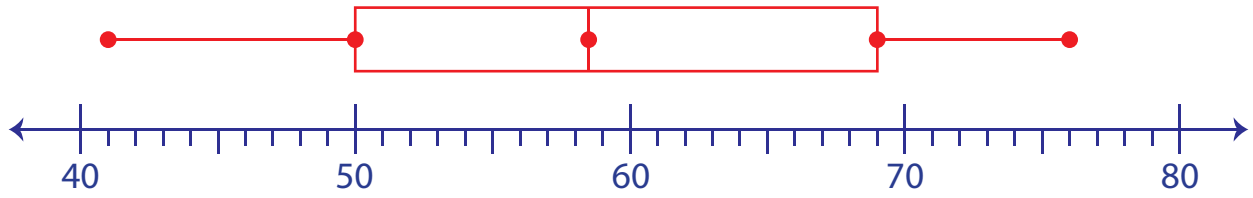
Sheet 3

1) Ten teams were a part of a band parade to perform the Independence day celebrations. The data represented below shows the number of participants in each team.

50, 59, 72, 58, 41, 65, 45, 69, 54, 76

Make a box-and-whisker plot.

Min : **41**, Q_1 : **50**, Q_2 : **58.5**, Q_3 : **69**, Max : **76**

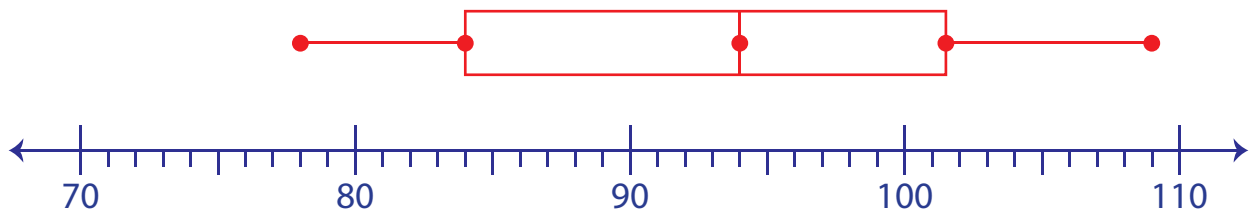


2) Mr. Thomson's bakery sold a variety of items to the customers. The data shows the sales of twelve different bakery items in a day.

83, 100, 109, 78, 87, 98, 97, 103, 85, 106, 91, 80

Make a box-and-whisker plot.

Min : **78**, Q_1 : **84**, Q_2 : **94**, Q_3 : **101.5**, Max : **109**

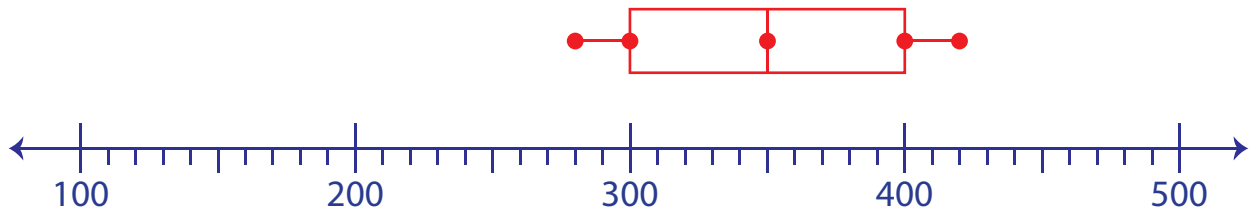


3) An executive makes 10 promotional calls to the customers to promote his service. The duration of each call (in seconds) is recorded below.

413, 387, 280, 311, 368, 400, 420, 300, 295, 332

Make a box-and-whisker plot.

Min : **280**, Q_1 : **300**, Q_2 : **350**, Q_3 : **400**, Max : **420**

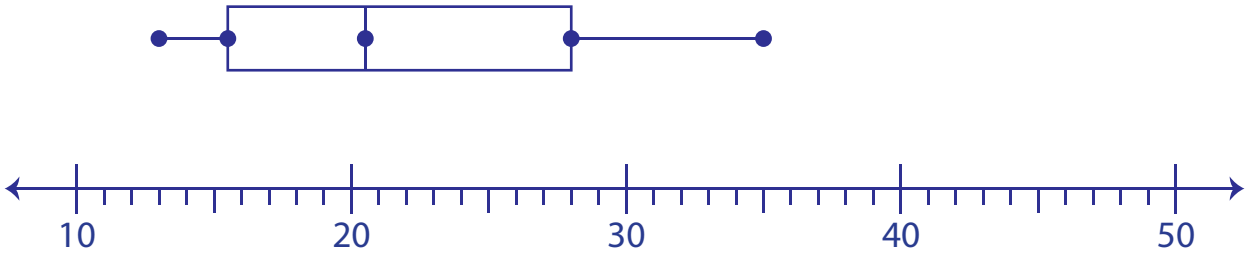


Name : _____ Score : _____

Read and Interpret the Plot

Level 1: S1

1) The incubation time (in days) of a canary, dove, mynah, pegion, parakeet, raven, chicken, cockatoo, peafowl, turkey, swan and muscovy duck are observed and a plot has been drawn. Read the plot and answer the questions.

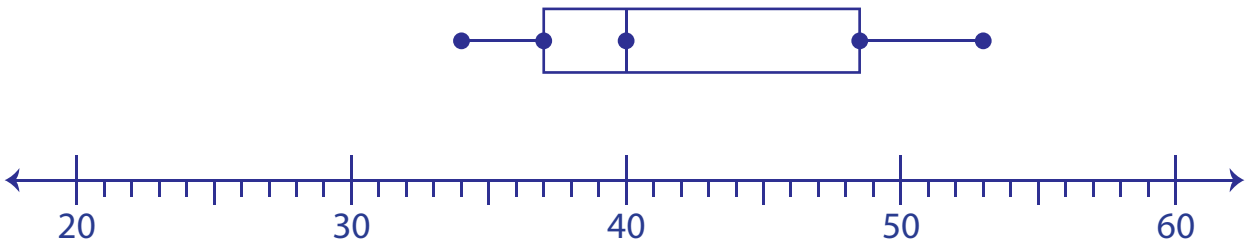


a) Write the first quartile from the given plot. _____

b) What is the maximum incubation time? _____

c) What is the median? _____

2) An electronic gadgets distributor distributes various brands of mobiles to retailers. The data for the number of smartphones distributed in nine months (Jan-Sep) are collected to make a box-and-whisker plot. Read the plot and answer the questions.



a) Write the median from the above given plot. _____

b) What is the least number of smartphones distributed? _____

c) Write the third quartile from the given plot. _____

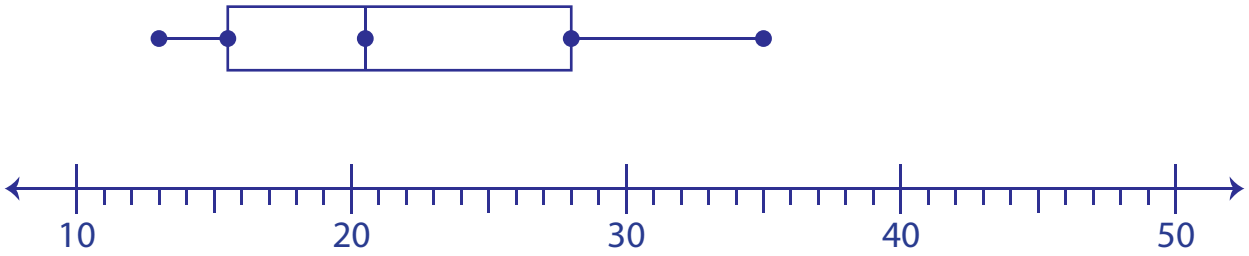
Name : _____ Score : _____

Answer Key

Read and Interpret the Plot

Level 1: S1

1) The incubation time (in days) of a canary, dove, mynah, pegion, parakeet, raven, chicken, cockatoo, peafowl, turkey, swan and muscovy duck are observed and a plot has been drawn. Read the plot and answer the questions.

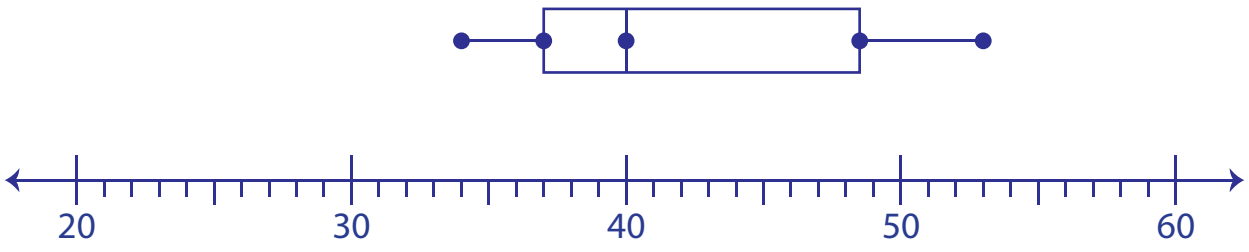


a) Write the first quartile from the given plot. **15.5**

b) What is the maximum incubation time? **35 days**

c) What is the median? **20.5**

2) An electronic gadgets distributor distributes various brands of mobiles to retailers. The data for the number of smartphones distributed in nine months (Jan-Sep) are collected to make a box-and-whisker plot. Read the plot and answer the questions.



a) Write the median from the above given plot. **40**

b) What is the least number of smartphones distributed? **34 smartphones**

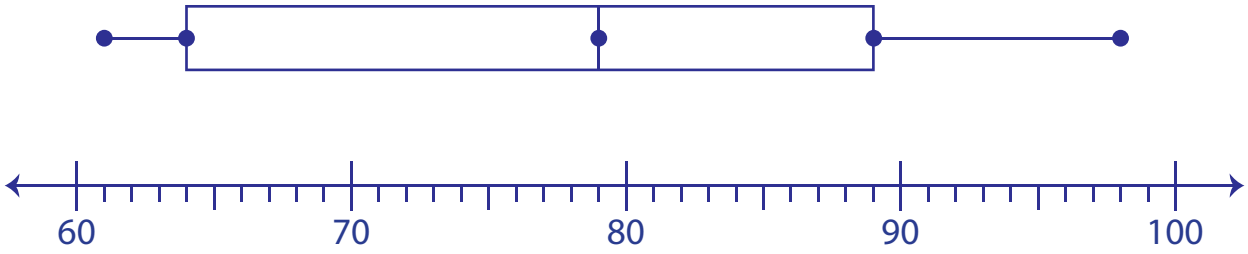
c) Write the third quartile from the given plot. **48.5**

Name : _____ Score : _____

Read and Interpret the Plot

Level 1: S2

1) Eleven trays have different coloured balls in them. The number of balls kept in each tray is counted to make a box-and-whisker plot. Read the plot and answer the questions.

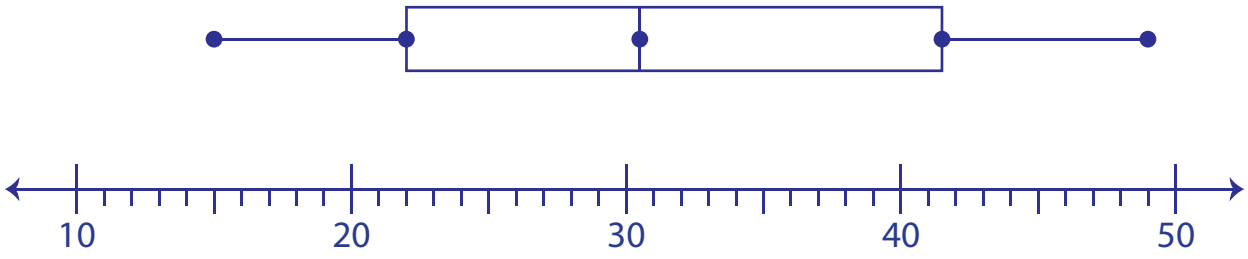


a) What is the second quartile from the plot? _____

b) Write the third quartile from the plot. _____

c) What is the maximum number of balls in the tray? _____

2) The National Library has research books kept in 12 racks. The information on the number of books kept in each rack is recorded and thus a plot is made from it. Read the plot and answer the questions.



a) Write the first quartile from the given plot. _____

b) Write the median from the above given plot. _____

c) What is the minimum number of books kept in the rack? _____

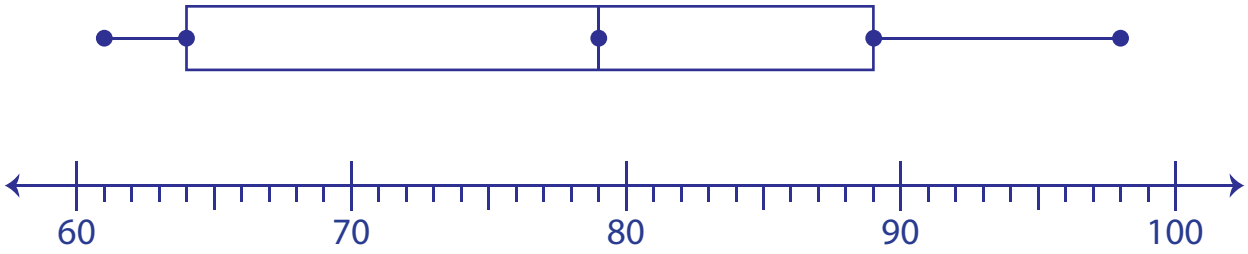
Name : _____ Score : _____

Answer Key

Read and Interpret the Plot

Level 1: S2

1) Eleven trays have different coloured balls in them. The number of balls kept in each tray is counted to make a box-and-whisker plot. Read the plot and answer the questions.

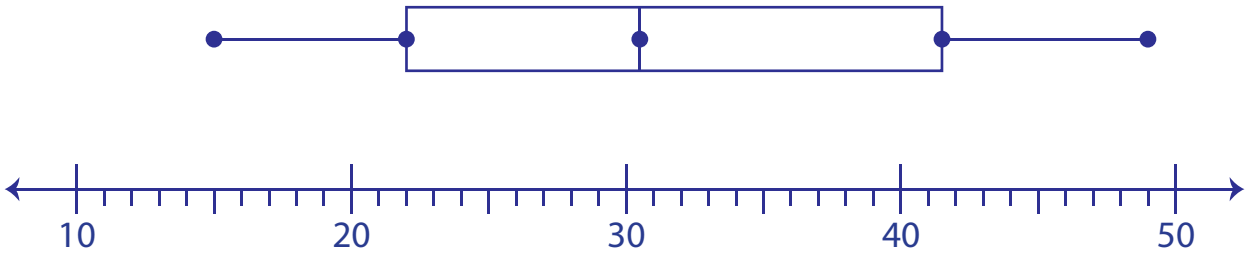


a) What is the second quartile from the plot? **79**

b) Write the third quartile from the plot. **89**

c) What is the maximum number of balls in the tray? **98 balls**

2) The National Library has research books kept in 12 racks. The information on the number of books kept in each rack is recorded and thus a plot is made from it. Read the plot and answer the questions.



a) Write the first quartile from the given plot. **22**

b) Write the median from the above given plot. **30.5**

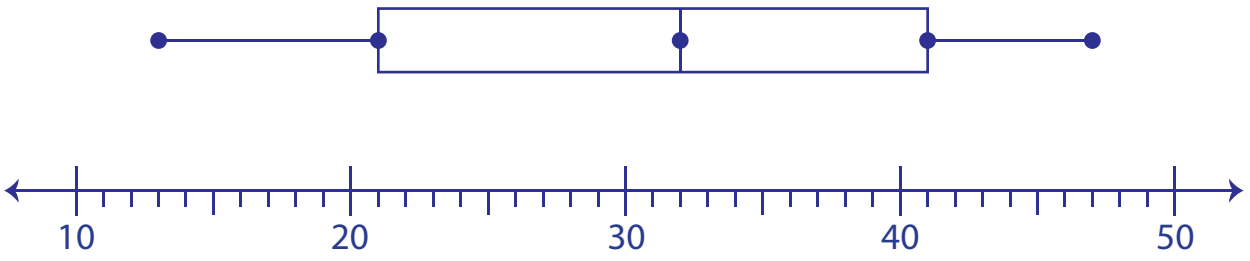
c) What is the minimum number of books kept in the rack? **15 books**

Name : _____ Score : _____

Read and Interpret the Plot

Level 1: S3

1) Rhone downloads ten mobile applications in his smartphone. The size of each application (in MB) is noted and a box-and-whisker plot is made. Read the plot and answer the questions.

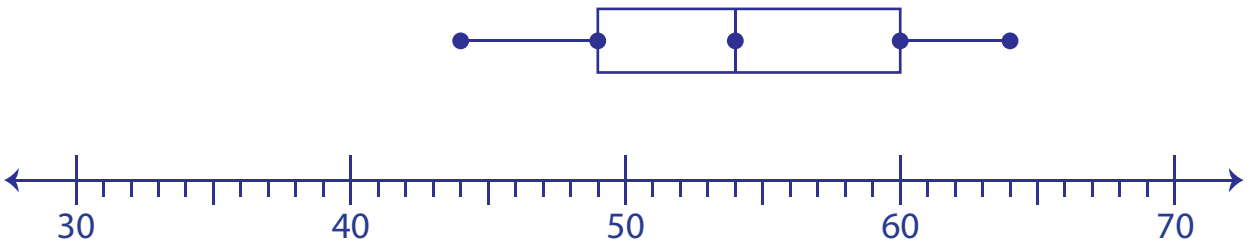


a) Write the third quartile from the given plot. _____

b) What is the minimum size of the application downloaded? _____

c) What is the first quartile? _____

2) The average annual temperature (in Fahrenheit) of Idaho, Colorado, Connecticut, Indiana, Illinois, Kansas, Kentucky, Arizona, Arkansas, Alabama, Georgia are recorded to make a box-and-whisker plot. Read the plot and answer the questions.



a) What is the maximum temperature recorded? _____

b) What is the third quartile? _____

c) Write the median from the given plot. _____

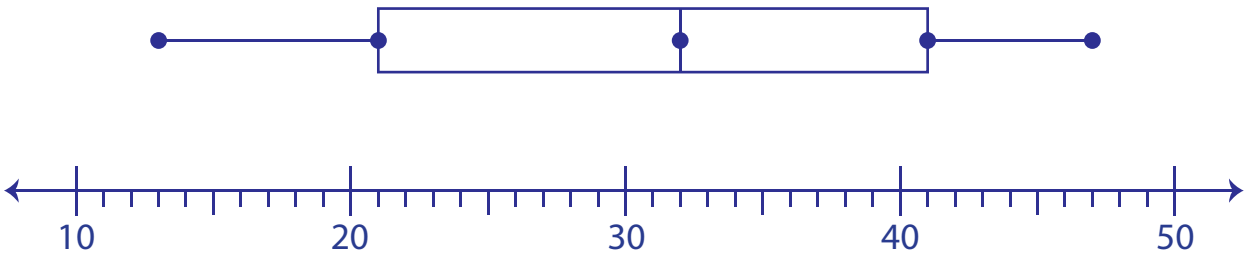
Name : _____ Score : _____

Answer Key

Read and Interpret the Plot

Level 1: S3

1) Rhone downloads ten mobile applications in his smartphone. The size of each application (in MB) is noted and a box-and-whisker plot is made. Read the plot and answer the questions.

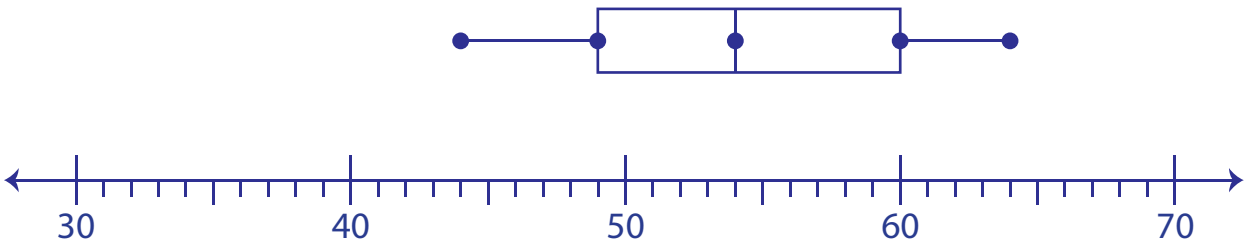


a) Write the third quartile from the given plot. **41**

b) What is the minimum size of the application downloaded? **13 MB**

c) What is the first quartile? **21**

2) The average annual temperature (in Fahrenheit) of Idaho, Colorado, Connecticut, Indiana, Illinois, Kansas, Kentucky, Arizona, Arkansas, Alabama, Georgia are recorded to make a box-and-whisker plot. Read the plot and answer the questions.



a) What is the maximum temperature recorded? **64 ^{o}F**

b) What is the third quartile? **60**

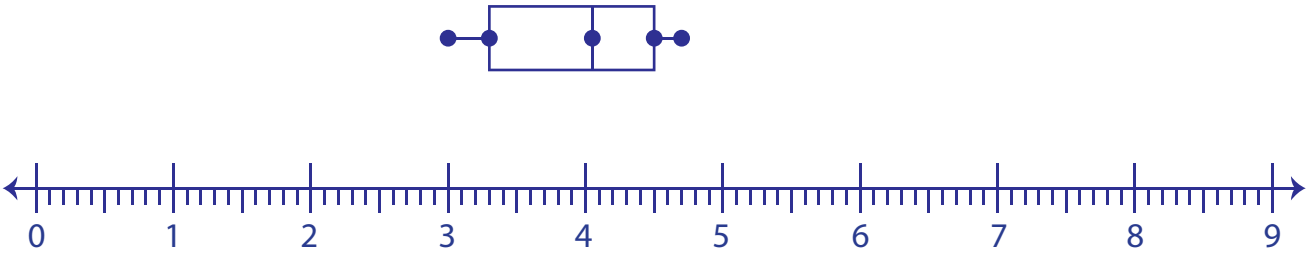
c) Write the median from the given plot. **54**

Name : _____ Score : _____

Read and Interpret the Plot

Level 2: S1

1) The data of the per capita municipal solid waste (in pounds per day) generated in the United States from 1960 to 2005 (every 5 years) are collected and a box-and whisker plot is made. Read the plot and answer the questions.

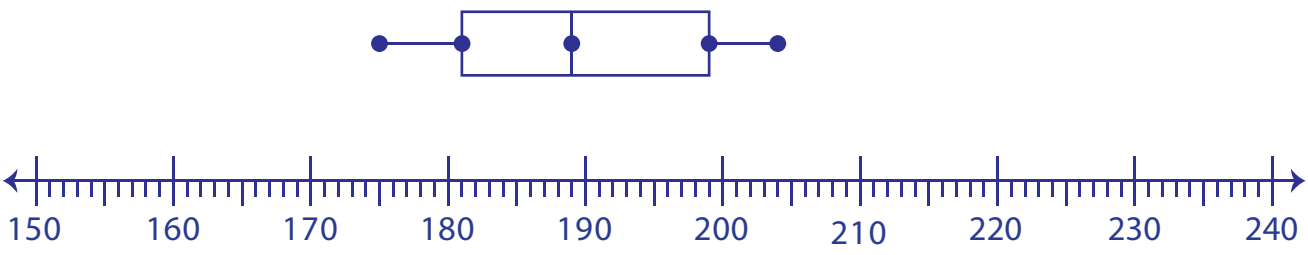


a) Write the first quartile from the given plot. _____

b) What is the range of the data? _____

c) What is the third quartile? _____

2) The weight of the basketball players (in pounds) at a University basketball team are noted to determine their physical standards. A plot is made based on the data. Read the plot and answer the questions.



a) What is the median of the given data? _____

b) What is the maximum weight among the players? _____

c) What is the inter-quartile range? _____

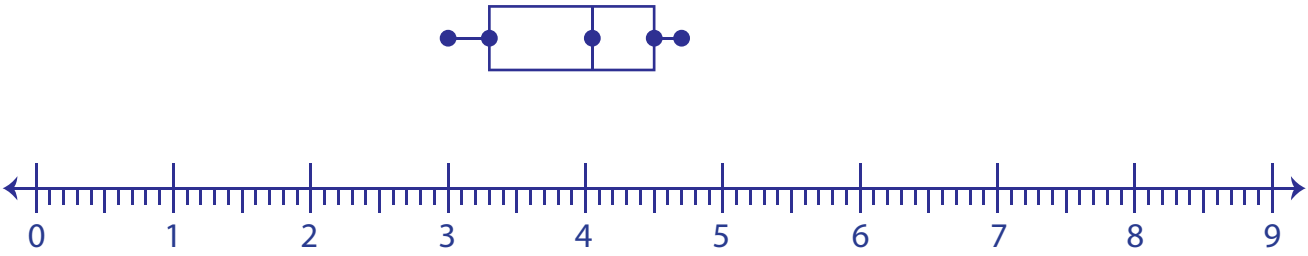
Name : _____ Score : _____

Answer Key

Read and Interpret the Plot

Level 2: S1

1) The data of the per capita municipal solid waste (in pounds per day) generated in the United States from 1960 to 2005 (every 5 years) are collected and a box-and whisker plot is made. Read the plot and answer the questions.

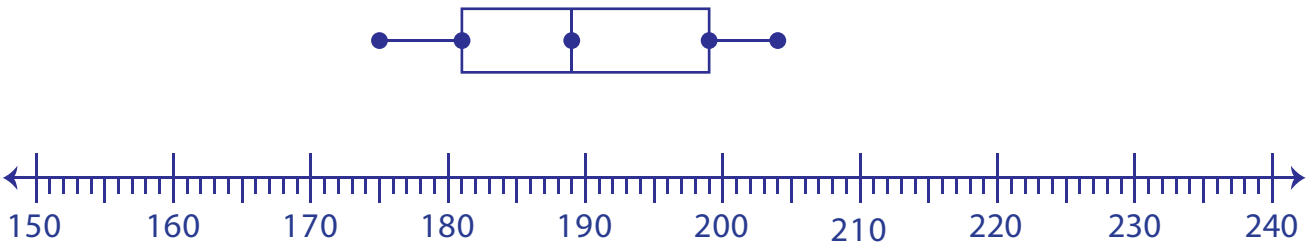


a) Write the first quartile from the given plot. **3.3**

b) What is the range of the data? **1.7**

c) What is the third quartile? **4.5**

2) The weight of the basketball players (in pounds) at a University basketball team are noted to determine their physical standards. A plot is made based on the data. Read the plot and answer the questions.



a) What is the median of the given data? **189**

b) What is the maximum weight among the players? **204 pounds**

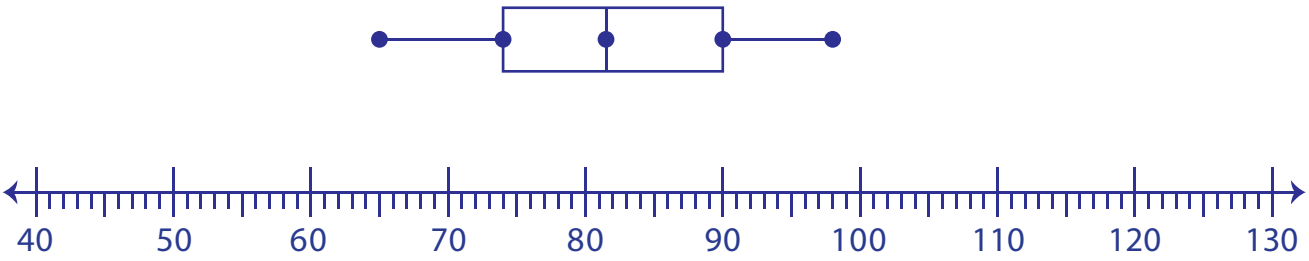
c) What is the inter-quartile range? **18**

Name : _____ Score : _____

Read and Interpret the Plot

Level 2: S2

1) A school conducted a medical camp for students from 8 to 10 years to check their weights (in pounds). Fourteen students were found to be obese. A plot is made based on their obese weights. Read the plot and answer the questions.

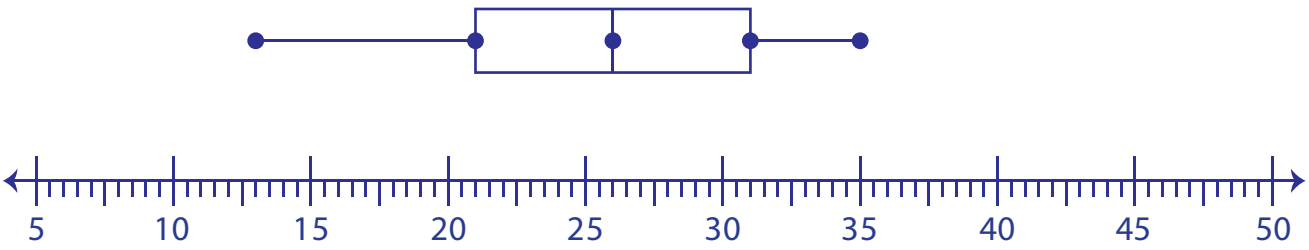


a) What is the inter-quartile range? _____

b) Write the third quartile from the plot. _____

c) What is the minimum weight among the students? _____

2) David reads different genres of books. The number of books he read under each genre is tracked and a plot has been drawn. Read the box-and-whisker plot and answer the questions.



a) Write the first quartile from the given plot. _____

b) What is the range of the given data? _____

c) What is the median? _____

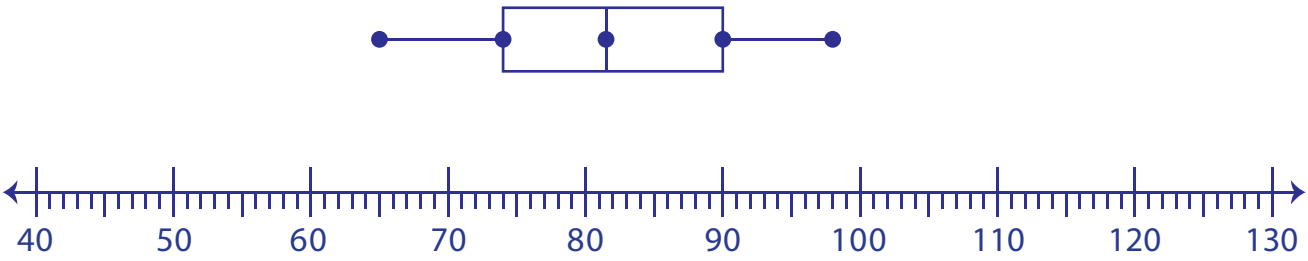
Name : _____ Score : _____

Answer Key

Read and Interpret the Plot

Level 2: S2

1) A school conducted a medical camp for students from 8 to 10 years to check their weights (in pounds). Fourteen students were found to be obese. A plot is made based on their obese weights. Read the plot and answer the questions.

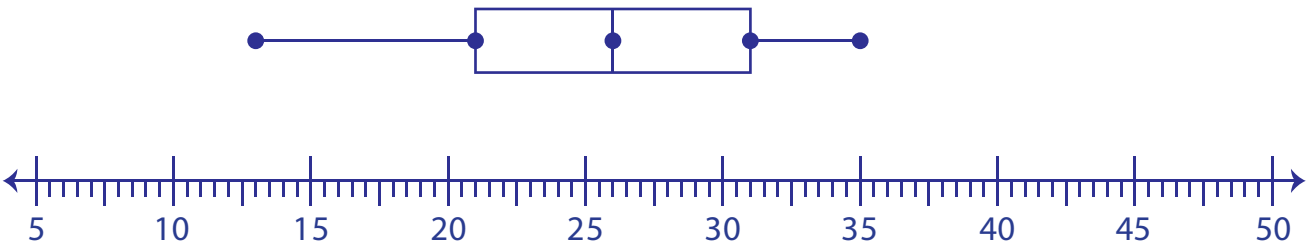


a) What is the inter-quartile range? **16**

b) Write the third quartile from the plot. **90**

c) What is the minimum weight among the students? **65 pounds**

2) David reads different genres of books. The number of books he read under each genre is tracked and a plot has been drawn. Read the box-and-whisker plot and answer the questions.



a) Write the first quartile from the given plot. **21**

b) What is the range of the given data? **22**

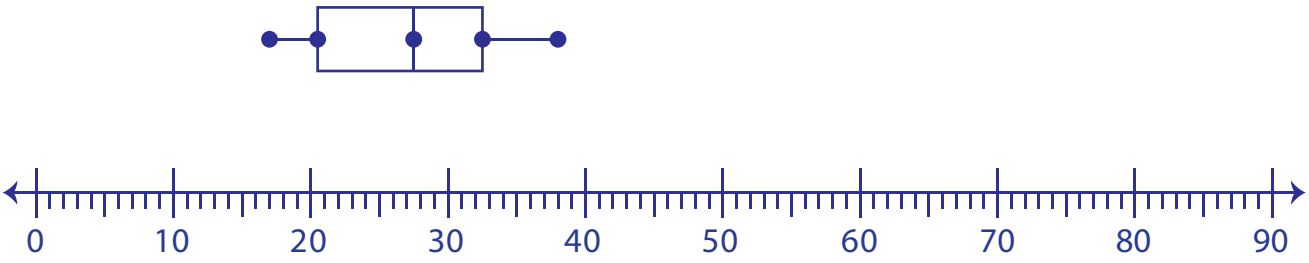
c) What is the median? **26**

Name : _____ Score : _____

Read and Interpret the Plot

Level 2: S3

1) Lisa planted 12 varieties of flowering plants in her garden. She counted the number of flowers blossomed in each variety for eight months and made a plot. Read the plot and answer the questions.

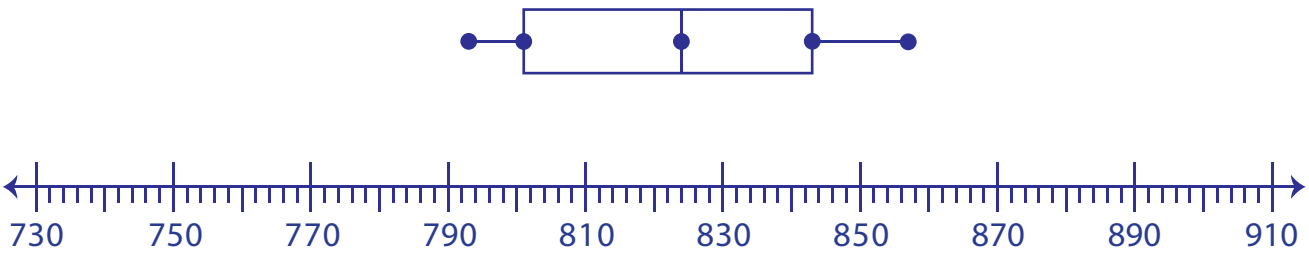


a) What is the maximum number of flowers bloomed? _____

b) Write the third quartile. _____

c) What is the median of the given data? _____

2) A long track running race (6000 meter) practice session was taken up by different athletes from various countries. The time in seconds are tracked and a box-and-whisker plot is made. Read the plot and answer the questions.



a) What is the inter-quartile range? _____

b) Write the first quartile from the given plot. _____

c) What is the range of the given data? _____

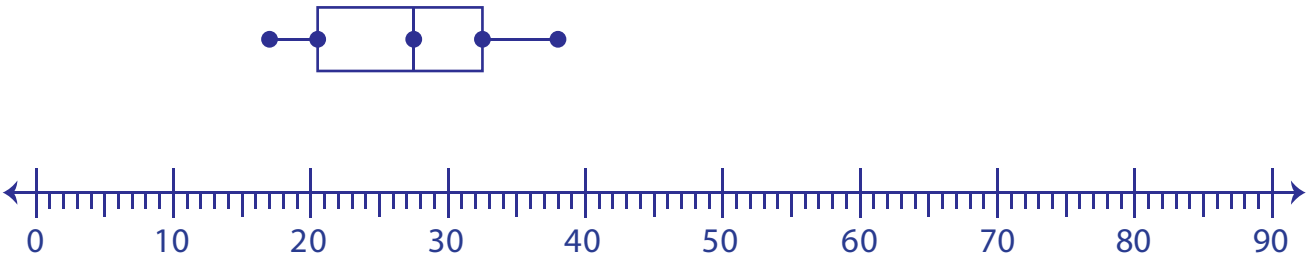
Name : _____ Score : _____

Answer Key

Read and Interpret the Plot

Level 2: S3

1) Lisa planted 12 varieties of flowering plants in her garden. She counted the number of flowers blossomed in each variety for eight months and made a plot. Read the plot and answer the questions.

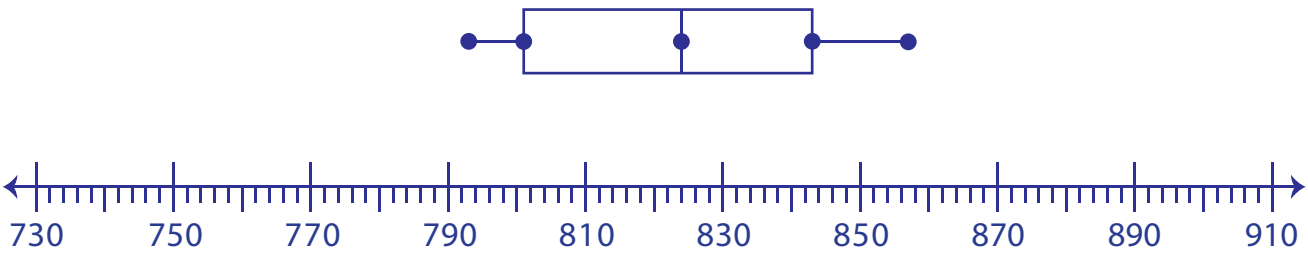


a) What is the maximum number of flowers bloomed? **38**

b) Write the third quartile. **32.5**

c) What is the median of the given data? **27.5**

2) A long track running race (6000 meter) practice session was taken up by different athletes from various countries. The time in seconds are tracked and a box-and-whisker plot is made. Read the plot and answer the questions.



a) What is the inter-quartile range? **42**

b) Write the first quartile from the given plot. **801**

c) What is the range of the given data? **64**

Name : _____ Score : _____

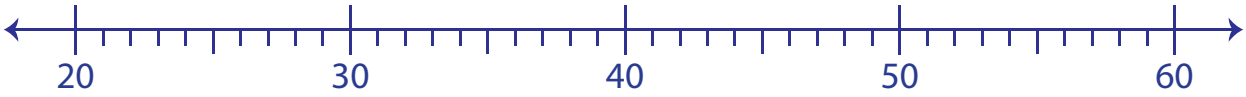
Make and Interpret the Plot

Sheet 1

1) The below tabulation shows the length of eight bones (in inches) in human beings.

Bone	Femur	Ulna	Humerus	8th rib	Radius	Tibia	7th rib	Fibula
Length (in inches)	50.5	27.5	36.5	23	26	49	24	40

Make a box-and-whisker plot.



Answer the following questions.

1) Which is the longest bone? _____

2) What is the first quartile of the given data? _____

3) What is the median of the given data? _____

4) What is the length of the shortest bone? _____

5) What is the third quartile? _____

Name : _____ Score : _____

Answer Key

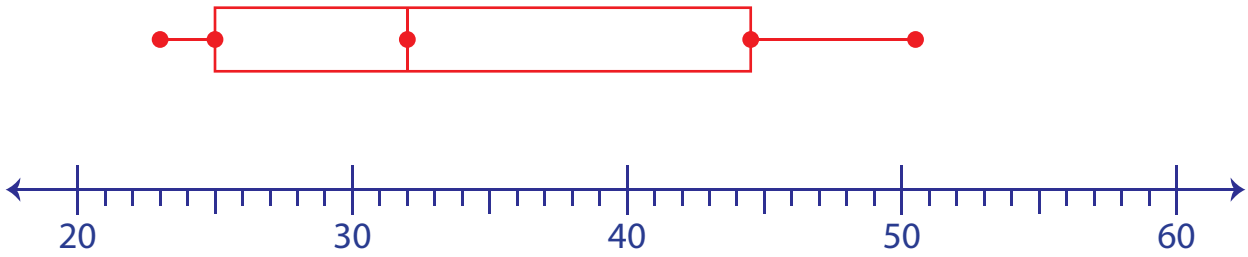
Make and Interpret the Plot

Sheet 1

1) The below tabulation shows the length of eight bones (in inches) in human beings.

Bone	Femur	Ulna	Humerus	8th rib	Radius	Tibia	7th rib	Fibula
Length (in inches)	50.5	27.5	36.5	23	26	49	24	40

Make a box-and-whisker plot.



Answer the following questions.

1) Which is the longest bone? **femur**

2) What is the first quartile of the given data? **25**

3) What is the median of the given data? **32**

4) What is the length of the shortest bone? **23 inches**

5) What is the third quartile? **44.5**

Name : _____ Score : _____

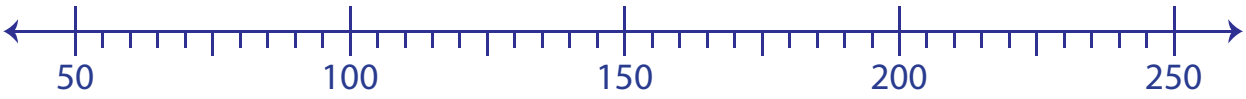
Make and Interpret the Plot

Sheet 2

1) The average weights (in kilogram) of ten wild animals are tabulated below.

Animal	Lion	Jaguar	Hyena	Tiger	Wolf	Mule deer	White Tiger	Chimpanzee	Cheetah	White-taild deer
Average Weight (in kilogram)	170	85	60	230	80	50	215	60	70	65

Make a box-and-whisker plot.



Answer the following questions.

1) What is the median of the given data? _____

2) Which animal has the least weight? _____

3) What is the first quartile of the given data? _____

4) What is the weight of the animal which is the heaviest of all? _____

5) Write the third quartile? _____

Name : _____ Score : _____

Answer Key

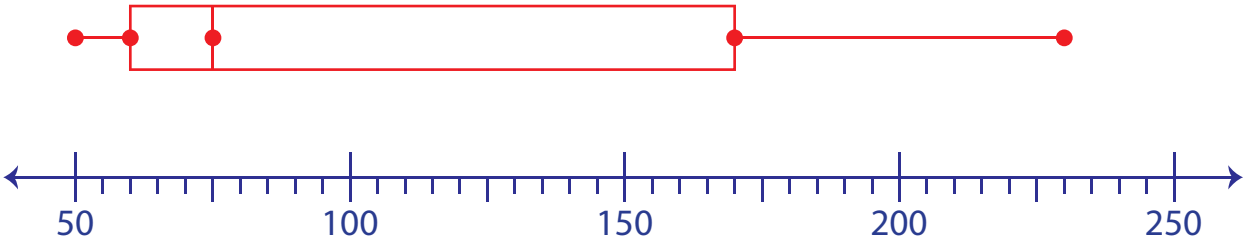
Make and Interpret the Plot

Sheet 2

1) The average weights (in kilogram) of ten wild animals are tabulated below.

Animal	Lion	Jaguar	Hyena	Tiger	Wolf	Mule deer	White Tiger	Chimpanzee	Cheetah	White-taild deer
Average Weight (in kilogram)	170	85	60	230	80	50	215	60	70	65

Make a box-and-whisker plot.



Answer the following questions.

1) What is the median of the given data? **75**

2) Which animal has the least weight? **Mule deer**

3) What is the first quartile of the given data? **60**

4) What is the weight of the animal which is the heaviest of all? **230 kg**

5) Write the third quartile? **170**

Name : _____ Score : _____

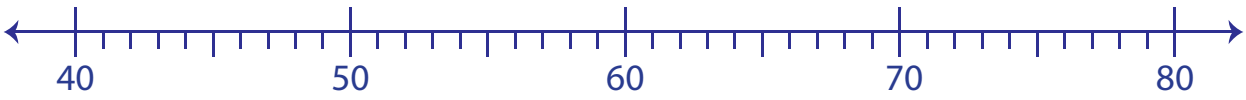
Make and Interpret the Plot

Sheet 3

1) A chemist uses various acids in the laboratory for his experiments. The quantity of each acid used is tabulated below.

Acid	Hydrochloric	Nitric	Sulphuric	Phosphoric	Malic	Citric	Tartaric	Acetic	Oxalic
Quantity (in ml)	79	64	48	51	75	41	50	67	56

Make a box-and-whisker plot.



Answer the following questions.

1) What is the first quartile? _____

2) How many acids are used by the chemist for his experiments? _____

3) Which acid is used the most by the chemist? _____

4) What is the median of the given data? _____

5) What is the least quantity of acid used? _____

Name : _____ Score : _____

Answer Key

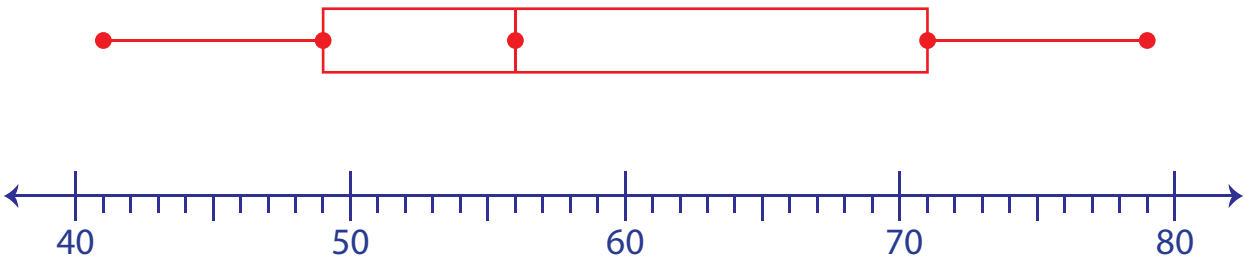
Make and Interpret the Plot

Sheet 3

1) A chemist uses various acids in the laboratory for his experiments. The quantity of each acid used is tabulated below.

Acid	Hydrochloric	Nitric	Sulphuric	Phosphoric	Malic	Citric	Tartaric	Acetic	Oxalic
Quantity (in ml)	79	64	48	51	75	41	50	67	56

Make a box-and-whisker plot.



Answer the following questions.

1) What is the first quartile? **49**

2) How many acids are used by the chemist for his experiments? **9**

3) Which acid is used the most by the chemist? **hydrochloric acid**

4) What is the median of the given data? **56**

5) What is the least quantity of acid used? **41 ml**

Name : _____ Score : _____

Outliers

Sheet 1

Write the outliers for each set of data.

1) 92, 88, 106, 169, 76, 72, 67, 10, 115, 73, 111, 59

Outliers : _____

2) 20, 52, 86, 80, 44, 49, 57, 41, 44, 55

Outliers : _____

3) 4, 11.6, 50, 23, 20.1, 19, 29, 12.7, 8, 23, 57.5

Outliers : _____

4) 67, 71, 79, 65, 52, 71, 73, 94, 69

Outliers : _____

5) 18, 68, 15, 45, 46, 36, 72, 34, 42, 38

Outliers : _____

6) 77, 51.4, 82, 91.6, 87, 98, 59, 81.4, 76, 119, 85, 91

Outliers : _____

7) 6, 24, 84, 13, 9, 30, 25, 7, 21, 33, 71

Outliers : _____

8) 22, 26, 31, 37, 31, 26, 50, 28, 24

Outliers : _____

Name : _____ Score : _____

Answer Key

Outliers

Sheet 1

Write the outliers for each set of data.

1) 92, 88, 106, 169, 76, 72, 67, 10, 115, 73, 111, 59

Outliers : **10, 169**

2) 20, 52, 86, 80, 44, 49, 57, 41, 44, 55

Outliers : **20, 80, 86**

3) 4, 11.6, 50, 23, 20.1, 19, 29, 12.7, 8, 23, 57.5

Outliers : **57.5**

4) 67, 71, 79, 65, 52, 71, 73, 94, 69

Outliers : **94**

5) 18, 68, 15, 45, 46, 36, 72, 34, 42, 38

Outliers : **15, 68, 72**

6) 77, 51.4, 82, 91.6, 87, 98, 59, 81.4, 76, 119, 85, 91

Outliers : **51.4, 119**

7) 6, 24, 84, 13, 9, 30, 25, 7, 21, 33, 71

Outliers : **71, 84**

8) 22, 26, 31, 37, 31, 26, 50, 28, 24

Outliers : **50**

Name : _____ Score : _____

Outliers

Sheet 2

Write the outliers for each set of data.

1) 29, 71, 40, 36, 34, 31, 46, 30, 46

Outliers : _____

2) 72, 66.8, 76, 78, 70.2, 64, 71, 39.5, 75.1, 70, 42

Outliers : _____

3) 94, 89, 90, 96, 89, 91, 105, 111, 87, 72

Outliers : _____

4) 22, 8, 27, 23, 9, 63, 25, 32, 8, 6, 68, 32

Outliers : _____

5) 59, 62, 69, 65, 39, 56, 58, 60, 41, 79, 62

Outliers : _____

6) 92, 85, 128, 98, 99, 50, 81, 79, 84

Outliers : _____

7) 36, 7, 6.7, 15, 9.8, 11, 10.6, 19, 20, 13

Outliers : _____

8) 20, 52, 59, 57, 79, 46, 23, 61, 53 57, 45, 82

Outliers : _____

Name : _____ Score : _____

Answer Key

Outliers

Sheet 2

Write the outliers for each set of data.

1) 29, 71, 40, 36, 34, 31, 46, 30, 46

Outliers : **71**

2) 72, 66.8, 76, 78, 70.2, 64, 71, 39.5, 75.1, 70, 42

Outliers : **39.5, 42**

3) 94, 89, 90, 96, 89, 91, 105, 111, 87, 72

Outliers : **72, 111**

4) 22, 8, 27, 23, 9, 63, 25, 32, 8, 6, 68, 32

Outliers : **68**

5) 59, 62, 69, 65, 39, 56, 58, 60, 41, 79, 62

Outliers : **39, 41, 79**

6) 92, 85, 128, 98, 99, 50, 81, 79, 84

Outliers : **50, 128**

7) 36, 7, 6.7, 15, 9.8, 11, 10.6, 19, 20, 13

Outliers : **36**

8) 20, 52, 59, 57, 79, 46, 23, 61, 53 57, 45, 82

Outliers : **20, 23, 82**

Name : _____ Score : _____

Outliers

Sheet 3

Write the outliers for each set of data.

1) 6, 19, 60, 55, 12, 15, 26, 8, 2, 22

Outliers : _____

2) 89, 91, 93, 99, 88, 80, 115, 76, 79, 90, 88, 70

Outliers : _____

3) 78, 55, 83, 61, 58, 31, 28, 65, 59, 63

Outliers : _____

4) 39.6, 49, 50.1, 56, 70, 77, 27.8, 54, 55.4, 45, 46

Outliers : _____

5) 17, 13, 9, 25, 53, 7, 23, 9, 48, 29, 16, 25

Outliers : _____

6) 74, 85, 42, 71, 80, 69, 99, 66, 76, 38, 73

Outliers : _____

7) 98, 86, 75, 92, 78, 81, 99, 133, 40

Outliers : _____

8) 20, 5.9, 24, 6.1, 11, 9.9, 49.5, 13.4, 8, 31

Outliers : _____

Name : _____ Score : _____

Answer Key

Outliers

Sheet 3

Write the outliers for each set of data.

1) 6, 19, 60, 55, 12, 15, 26, 8, 2, 22

Outliers : **55, 60**

2) 89, 91, 93, 99, 88, 80, 115, 76, 79, 90, 88, 70

Outliers : **115**

3) 78, 55, 83, 61, 58, 31, 28, 65, 59, 63

Outliers : **28, 31, 83**

4) 39.6, 49, 50.1, 56, 70, 77, 27.8, 54, 55.4, 45, 46

Outliers : **27.8, 77**

5) 17, 13, 9, 25, 53, 7, 23, 9, 48, 29, 16, 25

Outliers : **53**

6) 74, 85, 42, 71, 80, 69, 99, 66, 76, 38, 73

Outliers : **38, 42**

7) 98, 86, 75, 92, 78, 81, 99, 133, 40

Outliers : **40, 133**

8) 20, 5.9, 24, 6.1, 11, 9.9, 49.5, 13.4, 8, 31

Outliers : **49.5**