

Name \_\_\_\_\_

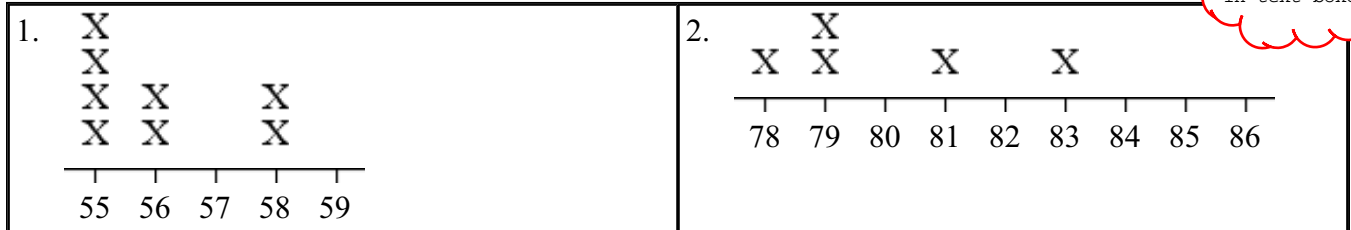


Date \_\_\_\_\_

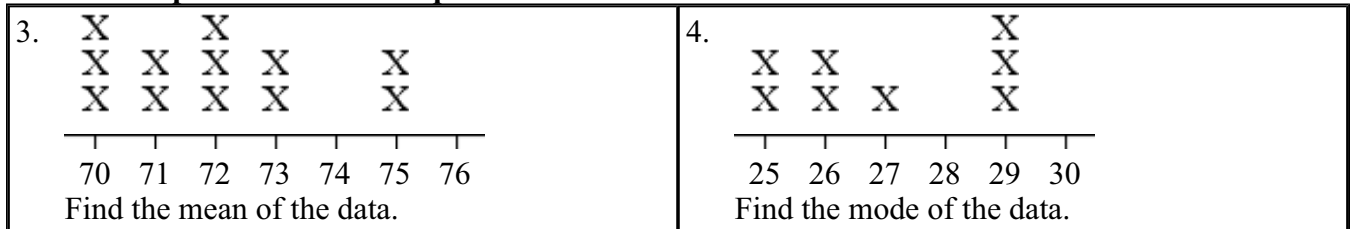
## Analyze Data

Enter answers  
in text boxes.

Find the mean for each set of data.



Use the line plot to answer the questions.



Find the mean for each set of data.

| <p>5.</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr><th>Stem</th><th>Leaves</th></tr> </thead> <tbody> <tr><td>4</td><td>3</td></tr> <tr><td>5</td><td>4</td></tr> <tr><td>6</td><td>5</td></tr> <tr><td>7</td><td>5 8</td></tr> </tbody> </table> | Stem    | Leaves | 4 | 3 | 5 | 4 | 6 | 5 | 7 | 5 8 | <p>6.</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr><th>Stem</th><th>Leaves</th></tr> </thead> <tbody> <tr><td>4</td><td>7 3</td></tr> <tr><td>5</td><td>3 2</td></tr> <tr><td>6</td><td>1 8 6</td></tr> <tr><td>7</td><td>5 3 3 0</td></tr> <tr><td>8</td><td>7</td></tr> </tbody> </table> | Stem | Leaves | 4 | 7 3 | 5 | 3 2 | 6 | 1 8 6 | 7 | 5 3 3 0 | 8 | 7 |
|---|---------|--------|---|---|---|---|---|---|---|-----|---|------|--------|---|-----|---|-----|---|-------|---|---------|---|---|
| Stem  | Leaves  |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 4   | 3       |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 5   | 4       |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 6   | 5       |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 7   | 5 8     |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| Stem  | Leaves  |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 4   | 7 3     |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 5   | 3 2     |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 6   | 1 8 6   |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 7   | 5 3 3 0 |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |
| 8   | 7       |        |   |   |   |   |   |   |   |     |   |      |        |   |     |   |     |   |       |   |         |   |   |

Use the line plot to answer the questions.

| <p>7.</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr><th>Stem</th><th>Leaves</th></tr> </thead> <tbody> <tr><td>11</td><td>5</td></tr> <tr><td>12</td><td>6 8</td></tr> <tr><td>13</td><td>7 8 1 2</td></tr> <tr><td>14</td><td>8 9 6</td></tr> </tbody> </table> <p>Find the mean of the data.</p> | Stem    | Leaves | 11 | 5 | 12 | 6 8 | 13 | 7 8 1 2 | 14 | 8 9 6 | <p>8.</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr><th>Stem</th><th>Leaves</th></tr> </thead> <tbody> <tr><td>52</td><td>3 9</td></tr> <tr><td>53</td><td>5 8 4</td></tr> <tr><td>54</td><td>1 0 4</td></tr> <tr><td>55</td><td>2 4 6 6</td></tr> <tr><td>56</td><td>7 1</td></tr> </tbody> </table> <p>Find the median of the data.</p> | Stem | Leaves | 52 | 3 9 | 53 | 5 8 4 | 54 | 1 0 4 | 55 | 2 4 6 6 | 56 | 7 1 |
|---|---------|--------|----|---|----|-----|----|---------|----|-------|--|------|--------|----|-----|----|-------|----|-------|----|---------|----|-----|
| Stem  | Leaves  |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 11  | 5       |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 12  | 6 8     |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 13  | 7 8 1 2 |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 14  | 8 9 6   |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| Stem  | Leaves  |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 52  | 3 9     |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 53  | 5 8 4   |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 54  | 1 0 4   |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 55  | 2 4 6 6 |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |
| 56  | 7 1     |        |    |   |    |     |    |         |    |       |  |      |        |    |     |    |       |    |       |    |         |    |     |

**Find the mode for each set of data.**

|                                |                                    |
|--------------------------------|------------------------------------|
| 9. 22, 4, 24, 26, and 24       | 10. 8, 23, 21, 9, 23, 23, and 5    |
| 11. 14, 28, 14, 13, 14, and 13 | 12. 29, 22, 22, 27, 20, 28, and 27 |
| 13. 16, 29, 28, 16, and 16     | 14. 4, 10, 16, 10, 10, and 16      |

**Find the mean, median, and mode of each set of data.**

|                                   |                               |
|-----------------------------------|-------------------------------|
| 15. 28, 8, 8, 27, and 9           | 16. 26, 26, 26, 26, 5, and 5  |
| 17. 7, 22, 28, 27, 15, 17, and 24 | 18. 21, 9, 21, 21, 21, and 21 |
| 19. 9, 9, 9, 2, 4, 3, and 20      | 20. 12, 12, 13, 26, and 12    |

**Find the missing number,  $n$ , in each data set.**

|   |   |
|---|---|
| 21. 26, 26, 6, 26, and $n$<br>mean = 22       | 22. 15, $n$ , 15, 27, 24, 14, and 27<br>mean = 19 |
| 23. 27, 16, 7, 20, 21, and $n$<br>mean = 16   | 24. 17, 17, $n$ , 17, and 2<br>mean = 11          |
| 25. $n$ , 10, 19, 28, 12, and 18<br>mean = 15 | 26. 9, 24, 27, 9, 24, 23, and $n$<br>mean = 18    |

**Find  $n$ .**

|  |   |
|--|---|
| 27. 18, 18, 27, 28, 18, 4, and $n$<br>mean = 18      median = 18 | 28. 10, 4, 17, $n$ , 25, and 27<br>mean = 18      median = 21     |
| 29. 6, 17, 18, $n$ , and 2<br>range = 25      median = 17        | 30. 27, 21, $n$ , 27, and 27<br>range = 14      mean = 23         |
| 31. 2, 25, 2, $n$ , 21, and 2<br>mode = 2      median = 2        | 32. 18, 11, $n$ , 15, 17, 6, and 25<br>mean = 14      median = 15 |

**Find the mode for each set of data.**

33. 42, 174, 174, 181, 43, 159, 168, and 43

34. 117, 41, 110, 114, 125, 27, 177, 198, 138, and 193

35. 138, 15, 162, 108, 164, 108, 109, 84, 153, 72, and 108

**Find the mean, median, and mode of each set of data.**

36. 124, 165, 111, 125, 147, 31, 39, 133, 160, 72, 174, 111, and 38

37. 156, 63, 129, 80, 121, 2, 80, 126, 51, and 2

38. 192, 45, 45, 90, 66, 4, 33, 91, 72, 195, and 91

**Find the missing number,  $n$ , in each data set.**

39. 135,  $n$ , 152, 83, 124, 192, 152, 156, 156, 74, and 192  
mean = 135

40. 166, 81,  $n$ , 189, 154, 55, 36, 108, 55, and 46  
mean = 95

41. 81, 16, 59, 125,  $n$ , 23, 42, and 81  
mean = 75

**Use the line plot to answer the questions.**

42.

| Stem | Leaves    |
|------|-----------|
| 35   | 1 2 1 7 7 |
| 36   | 9 6 9     |
| 37   | 6         |
| 38   | 4 3       |

Find the mode of the data.

43.

| Stem | Leaves  |
|------|---------|
| 0    | 7 3 9   |
| 1    | 8 9 3 5 |

Find the mean of the data.