Mean, Mode and Frequency

Find the mean
1. 2, 5, 7, 3, 6
2. 1, 0, 4, 11
3. 25, 60, 85, 1, 1, 21
4. 6.3, 3.8, 8.1, 9, 9.0
5. 3.6, 2, 4.6, 2, 10, 5, 15, 6.4

Find the mode
1. 5, 2, 9, 9, 2, 9, 5
2. 3, 6, 7, 8, 7, 5, 3, 7, 3, 5, 7
3. 4, 2, 5, 6, 4, 3
4. 9, 0, 0, 0, 4, 9, 1, 2, 1
5. 1, 10, 1, 2, 20, 22, 1

Find the mean
1. 2, 5, 7, 3, 6
2. 1, 0, 4, 11
3. 25, 60, 85, 1, 1, 21
4. 6.3, 3.8, 8.1, 9, 9.0
5. 3.6, 2, 4.6, 2, 10, 5, 15, 6.4

Find the mode
1. 5, 2, 9, 9, 2, 9, 5
2. 3, 6, 7, 8, 7, 5, 3, 7, 3, 5, 7
3. 4, 2, 5, 6, 4, 3
4. 9, 0, 0, 0, 4, 9, 1, 2, 1
5. 1, 10, 1, 2, 20, 22, 1

Complete the frequency table
1. 1, 2, 4, 6, 2, 1, 3, 2, 1, 5, 7, 8, 7, 9, 7

<table>
<thead>
<tr>
<th>Number</th>
<th>Frequency</th>
</tr>
</thead>
</table>

The mode is _____________

Find the mean mark from the following distribution.

\[
\text{Mean} = \frac{1 \times 10 + (2 \times 20 + (4 \times 30 + (2 \times 40 + 5 \times 50 + 12 \times 60 + 2 \times 70 + 2 \times 80 + 1 \times 90)}}{28}
\]

Mean = _____________________

1. What is the average monthly sales during this period?

<table>
<thead>
<tr>
<th>Month</th>
<th>Jan</th>
<th>Feb</th>
<th>March</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales</td>
<td>87</td>
<td>50</td>
<td>24</td>
</tr>
</tbody>
</table>

2. What was the percentage decrease in sales between Feb and March?

<table>
<thead>
<tr>
<th>Goals</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Matches</td>
<td>8</td>
<td>5</td>
<td>2</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

1. What fraction of matches had no goals scored?
2. What fraction of matches had more than two goals scored?
3. What percentage of matches had four goals scored?
Mean, Mode and Frequency

Find the mean
1. 2, 5, 7, 3, 6 = \(\frac{23}{5} = 4.6\)
2. 1, 0, 4, 11 = \(\frac{16}{4} = 4\)
3. 25, 60, 85, 1, 1, 21 = \(\frac{362}{6} = 60.33\)
4. 6, 3, 8, 1, 9, 9.0 = \(\frac{36.2}{5} = 7.24\)
5. 3.6, 2.4, 6.2, 10, 5, 15, 6.4 = \(\frac{48.6}{8} = 6.08\)

Find the mode
1. 5, 2, 9, 9, 2, 9, 5 = 9
2. 3, 6, 7, 8, 7, 5, 3, 7, 3, 5, 7 = 7
3. 4, 2, 5, 6, 4, 3, = 4
4. 9, 0, 0, 0, 4, 9, 1, 2, 1 = 0
5. 1, 10, 1, 2, 20, 22, 1 = 1

Find the mean mark from the following distribution.

<table>
<thead>
<tr>
<th>Mark (%)</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Students</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>5</td>
<td>12</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

Mean = \[
\frac{1 \times 10 + (2 \times 20 + (4 \times 30 + (5 \times 50 + (12 \times 60 + (2 \times 70 + (2 \times 80 + (1 \times 90)
)}{1+2+4+2+5+12+2+2+1}
\]

Mean = \(\frac{10 + 40 + 120 + 80 + 250 + 720 + 140 + 160 + 90}{31} = \frac{1610}{31} = 51.94\%\)

Complete the frequency table
1. 4, 2, 4, 6, 2, 1, 3, 2, 1, 5, 7, 8, 7, 9, 7

<table>
<thead>
<tr>
<th>Number</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

The mode is _______7_______

1. What is the average monthly sales during this period?
   53.7

2. What was the percentage decrease in sales between Feb and March?
   \(\frac{26}{50} = 0.52 \times 100 = 52\%\)

3. What fraction of matches had no goals scored?
   \(\frac{8}{20} = \frac{2}{5}\)

4. What fraction of matches had more than two goals scored?
   \(\frac{5}{20} = \frac{1}{4}\)

5. What percentage of matches had four goals scored?
   \(\frac{1}{20} \times 100 = 5\%\)