Question 1: Work out the mean for each of these frequency tables. You may not use a calculator

(a) | Age | Frequency |
--- | --- | --- |
5  | 2  |   |
6  | 2  |   |
7  | 5  |   |
8  | 1  |   |

(b) | Number of phones | Frequency |
--- | --- | --- |
0  | 1  |   |
1  | 3  |   |
2  | 2  |   |
3  | 0  |   |
4  | 4  |   |
5  | 0  |   |

(c) | Number of pets | Frequency |
--- | --- | --- |
0  | 13 |   |
1  | 28 |   |
2  | 50 |   |
3  | 9  |   |

(d) | Money Withdrawn | Frequency |
--- | --- | --- |
£10 | 16 |   |
£20 | 19 |   |
£30 | 4  |   |
£40 | 3  |   |
£50 | 6  |   |
£60 | 2  |   |

Question 2: Work out the mean for each of these frequency tables. You may use a calculator

(a) | Age | Frequency |
--- | --- | --- |
16 | 28 |   |
17 | 7  |   |
18 | 3  |   |
19 | 2  |   |

(b) | Grade | Frequency |
--- | --- | --- |
3  | 16 |   |
4  | 27 |   |
5  | 45 |   |
6  | 49 |   |
7  | 50 |   |
8  | 13 |   |

(c) | Siblings | Frequency |
--- | --- | --- |
0  | 71 |   |
1  | 25 |   |
2  | 14 |   |

(d) | Pocket Money | Frequency |
--- | --- | --- |
£1 | 5  |   |
£2 | 34 |   |
£3 | 86 |   |
£4 | 19 |   |
£5 | 3  |   |
£6 | 3  |   |

(e) | Star rating | Frequency |
--- | --- | --- |
0  | 9  |   |
1  | 12 |   |
2  | 17 |   |
3  | 19 |   |
4  | 21 |   |
5  | 8  |   |

(f) | Times visited | Frequency |
--- | --- | --- |
0  | 131|   |
1  | 873|   |
2  | 599|   |
3  | 205|   |
Question 1: A teacher asked his class how long they spent revising for a test, to the nearest hour. By calculating the mean, compare the amount of time the boys and girls spent revising.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
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<td>2</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
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<tr>
<td>3</td>
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<tr>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hours</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>2</td>
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<td>4</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

Question 2: Aidan plays 50 games in an arcade. The table shows how many tickets he won in each game.

(a) Work out the missing frequency

<table>
<thead>
<tr>
<th>Tickets won</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
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<td>3</td>
</tr>
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<td>7</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

(b) Work out the total number of tickets won

(c) Work out the mean number of tickets won per game.

Aidan wants to exchange his ticket for a prize that costs 800 tickets.

(d) How many more games do you expect Aidan would have to play?

Question 3: Max rolls a dice 80 times. The table shows the results.

(a) Find the value of x

(b) Work out the mean score