A group of men play in a weekly cards tournament. Points are awarded for winning games, as shown in the graphs on the left.

Study the information and fill out the table below, showing any workings on the back of the page (writing a table of the scores from each week may help in answering the questions).

### Core Questions (Round all answers to one decimal place)

<table>
<thead>
<tr>
<th></th>
<th>Total number of points scored in week 1</th>
<th>Total number of points scored in week 2</th>
<th>Total number of points scored in week 3</th>
<th>Range of points scored in week 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median points score from week 1</td>
<td>Range of points scored in week 1</td>
<td>Mean points score in week 2</td>
<td>Range of scores after all 3 weeks</td>
<td></td>
</tr>
<tr>
<td>Range of Scores in week 3</td>
<td>Mean points score from week 1</td>
<td>Highest scorer in week 2</td>
<td>Median score from week 3</td>
<td></td>
</tr>
<tr>
<td>Player with the lowest total score after 3 weeks (with number)</td>
<td>Median score from week 1</td>
<td>Mean points score from week 3</td>
<td>Player with the highest total score after 3 weeks (with number)</td>
<td></td>
</tr>
<tr>
<td>Player with the highest mean score over the 3 weeks (with number)</td>
<td>Total Mean points scored after 3 weeks</td>
<td>Mode of points scored after 3 weeks</td>
<td>Median score from all 3 weeks</td>
<td></td>
</tr>
</tbody>
</table>

### Extension Questions

- Find the probability someone chosen from week 1 has scored 22 or more
- Find the percentage of players who have a total mean of higher than 20 for the 3 weeks
- What is the ratio of scores over 20 to scores 20 or under from week 2 (simplify it if the ratio reduces)
- What fraction of the players have a mean between 15 and 25 (both inclusive)
<table>
<thead>
<tr>
<th>Name</th>
<th>Week 1</th>
<th>Week 2</th>
<th>Week 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Bob</td>
<td>23</td>
<td>21</td>
<td>15</td>
</tr>
<tr>
<td>2 Jim</td>
<td>21</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>3 Fred</td>
<td>30</td>
<td>4</td>
<td>28</td>
</tr>
<tr>
<td>4 Tom</td>
<td>22</td>
<td>18</td>
<td>15</td>
</tr>
<tr>
<td>5 Bill</td>
<td>19</td>
<td>23</td>
<td>31</td>
</tr>
<tr>
<td>6 John</td>
<td>27</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>7 Ron</td>
<td>25</td>
<td>25</td>
<td>29</td>
</tr>
<tr>
<td>8 Ben</td>
<td>28</td>
<td>23</td>
<td>22</td>
</tr>
<tr>
<td>9 Joe</td>
<td>22</td>
<td>30</td>
<td>26</td>
</tr>
<tr>
<td>10 Ken</td>
<td>30</td>
<td>19</td>
<td>23</td>
</tr>
<tr>
<td>11 Nick</td>
<td>27</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>12 Sam</td>
<td>24</td>
<td>22</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>298</td>
<td>245</td>
<td>275</td>
</tr>
</tbody>
</table>