

Who, where and when?

Who?

One of the following four people has committed a crime. The criminal made 2 errors, the victim has made 0 errors and two suspects have made 1 error.



The runner said:

- The median age of the runners was the lowest.
- The mode of the runners was 29.
- The mode and median of the cookery club was not the same.
- The oldest runner was 36.



The member of the cookery club said:

- The mode and median age of their members was the same.
- The median age of the bakers was higher than that of the female gardeners.
- The mode of the golfers was 40.
- The oldest member was 55.



The golfer said

- The mode of the golfers was lower than the male gardeners.
- There was a difference of 18 years between the median and the mode for their members.
- The male gardeners had the highest median.
- The mode of the runners was 29 which is 10 years younger than the mode of the bakers.

The Gardener said:



- The median of the male gardeners was 58.
- The mode of the female gardeners was 37.
- The male gardeners had the highest median.
- The mode of the runners was the lowest.

Now you need to work out where and when the crime was committed....

Where?

The murder was committed at one of the locations below, but which one?
It happened where ALL the answers are true.

The running track	The oldest was a male gardener. The youngest was a runner. The runners had the largest range of ages.
The kitchen	The lower quartile of the golfers' ages was 25. The oldest female gardener was 60. The range of the bakers' ages was 44.
The 15th hole	The upper quartile of the bakers was 55. The lower quartile of the runners was 23. The range of the female gardeners was 38.
The shed	The range of the golfers' ages was 18. The range of the male gardeners was 38. The lower quartile of the bakers was 34.

When?

Find the day where one of the statements is incorrect:

Monday	The LQ of the runners is 23, the UQ = 19, the IQR = 4 and the range of their ages is 17.
Tuesday	The LQ of the bakers is 34, the UQ = 55, the IQR = 21 and the range of their ages is 44.
Wednesday	The LQ of the male gardeners is 42, the UQ = 62, the IQR = 20 and the range of their ages is 38.
Thursday	The LQ of the female gardeners is 37, the UQ = 48, the IQR = 11 and the range of their ages is 22.
Friday	The LQ of the golfers is 25, the UQ = 40, the IQR = 15 and the range of their ages is 18.

The Accusation

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The runner said:

- ✓ The median age of the runners was the lowest.
- ✓ The mode of the runners was 29.

- ✗ The mode and median of the cookery club was not the same.
- ✓ The oldest runner was 36.



The member of the cookery club said:

- ✓ The mode and median age of their members was the same.
- ✓ The median age of the bakers was higher than that of the female gardeners.
- ✓ The mode of the golfers was 40.
- ✗ The oldest member was 55.



The golfer said

- ✓ The mode of the golfers was lower than the male gardeners. **40**
- ✓ There was a difference of 18 years between the median and the mode for their members. **58**

- ✗ The male gardeners had the highest median. **32**
- ✗ The mode of the runners was 29 which is 10 years younger than the mode of the bakers.

The Gardener said:

- ✓ The median of the male gardeners was 58.
- ✓ The mode of the female gardeners was 37.
- ✓ The male gardeners had the highest median.
- ✓ The mode of the runners was the lowest.



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The running track	<p>The oldest was a male gardener. ✓</p> <p>The youngest was a runner. ✗</p> <p>The runners had the largest range of ages ✗</p>
The kitchen	<p>The lower quartile of the golfers' ages was 25 ✓</p> <p>The oldest female gardener was 60. ✗</p> <p>The range of the bakers' ages was 44. ✓</p>
The 15th hole	<p>The upper quartile of the bakers was 55. ✓</p> <p>The lower quartile of the runners was 23. ✗</p> <p>The range of the female gardeners was 38. ✗</p>
The shed	<p>The range of the golfers' ages was 18. ✓</p> <p>The range of the male gardeners was 38. ✓</p> <p>The lower quartile of the bakers was 34. ✓</p>

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