

Unit 1 Performance Task A

Two Cross Country runners are being scouted by the premier running college, the University of Oregon. One of them will receive a full-ride scholarship. The only information available to the U of O coach are the 5K times from the runners' last 16 races. They have never competed against each other.

Runner A: 5K times (minutes:seconds)

21:02	21:20	19:40	21:32	22:06	24:06	20:48	20:58	21:40	21:10	23:14	23:46	24:55	25:04	21:12	25:10
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Runner B: 5K times (minutes:seconds)

21:40	24:46	23:04	19:40	21:32	21:08	22:45	21:50	24:50	23:18	20:56	20:20	20:54	21:10	22:26	20:32
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Your Task:

For **each** runner...

1. Determine the mean, median, and mode (round to the nearest whole number).
2. Create a histogram.
3. Label your axes and title your graphs.
- 4.

Then, after doing the above for each runner, write at least one sentence describing which runner is better for the University of Oregon track team. In your explanation, refer to your graphs, measures of spread, and/or measures of center.