

Back-to-Back Plot

Sheet 2

- A) At a practice session for the Summer Olympics, the time taken (in seconds) by men and women swimmers to cover 50 meter freestyle swimming are tabulated below.

Men	25	26	30	27	31	27	32	33	30
Women	28	31	29	33	34	36	40	39	27

Make a back-to-back stem-and-leaf plot of the given data and answer the following.

Leaf

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- 1) What is the average time taken by men to complete 50 meter freestyle swimming in a practice session? _____
- 2) What is the maximum time taken by women to complete 50 meter freestyle swimming? _____
- 3) How many men completed the practice session within 30 seconds? _____
- 4) How many women swimmers completed the session between 25 and 30 seconds? _____
- 5) What is the minimum time taken to complete 50 meter freestyle swimming? _____

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	Leaf	
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1) What is the average time taken by a swimmer to complete 50 meter in a practice session?		<u>33 seconds</u>
2) What is the maximum time taken by a swimmer to complete 50 meter?		<u>40 seconds</u>
3) How many men completed the practice session within 30 seconds?		<u>4 men</u>
4) How many women swimmers completed the session between 25 and 30 seconds?		<u>3 women</u>
5) What is the minimum time taken to complete 50 meter?		<u>25 seconds</u>