

Quiz & Worksheet - Discrete & Continuous Data

1. Madison and Charlotte are having a competition, seeing how long they can each hold a note on their flutes. Meanwhile, Charlotte wants to know how many notes Madison can produce accurately on her flute. Are these pieces of data discrete or continuous?

- ☐ The number of notes is continuous; the length of the note held is discrete.
- ☐ Neither piece of data is continuous nor discrete.
- ☐ They're both continuous.
- ☐ They're both discrete.
- ☐ The number of notes is discrete; the length of the note held is continuous.

2. Charlotte is part of her local track team. She can jump 4 hurdles and can long jump 5 feet 5 inches. There are seven girls and ten boys on her track team. Six of the team members are ranked among the top 10 regional athletes. Which piece of this data is discrete and which is continuous?

- ☐ The number of hurdles Charlotte can jump is discrete, and the length of her long jump is continuous.
- ☐ The number of hurdles Charlotte can jump is continuous, and the number of boys and girls in the team is discrete.
- ☐ The number of boys and girls on the team is continuous, and the length of Charlotte's long jump is discrete.
- ☐ The ranking of the team members is discrete, and the number of boys and girls on the team is continuous.

3. Madison is trying out for the track team. There are 26 people trying out for the team. There are 4 people wanting to run distance, 6 people wanting to pole vault, 8 people wanting to sprint, and 2 people that want to throw shot put. Madison can run a half mile in 6 minutes and she finished 6th in the 100 meter dash. Which of these pieces of data is discrete and which is continuous?

- ☐ The number of people trying out for the team is continuous data; the 6th place ranking is discrete.
- ☐ The number of people wanting to try out for the team is continuous, and the different events are discrete.
- ☐ The 6 minute half mile time is continuous data; the number of people trying out for the team is discrete data.
- ☐ The 6 minute half mile time is discrete data, and the 6th place ranking is continuous.

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