Name _____ Date _____ Score _____

Free sample

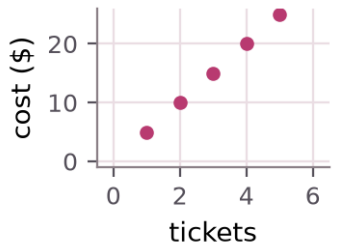
Discrete and Continuous Functions

Six questions to try. Then check your answers on page 2.

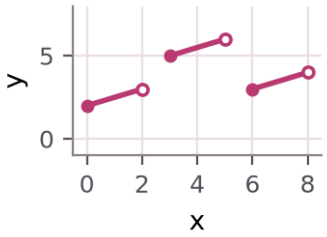
Remember

Dots → discrete · **unbroken line** → continuous · **gaps** → neither · **count** = discrete, **measure** = continuous

1 Discrete, continuous or neither?



2 Discrete, continuous or neither?



3 Domain and range of (2, 1), (4, 3), (6, 5)?

4 Kilometres run vs time: type?

discrete continuous

5 Number of apples bought vs cost: type?

discrete continuous

6 Is $y = x^2 + 1$ linear?

linear nonlinear

Name _____ Date _____ Score _____

Answers

1. **Discrete** — Separate dots.

2. **Neither** — Joined pieces with gaps.

3. **Domain {2, 4, 6}; range {1, 3, 5}** — List the values.

4. **Continuous** — Both are measured.

5. **Discrete** — Apples are counted.

6. **No, nonlinear** — x is squared, so the graph curves.

In the full pack

22 questions in 5 parts (1 · read the graph, 2 · domain and range, 3 · real-world situations, 4 · linear or nonlinear, 5 · put it together), a notes page, a full answer key, a 14-slide teaching deck with real-world word problems, and a 22-question online practice set (10 questions are free online).

Loved these? Get the full pack at pinkchalkclassroom.com