

1. Number of students in a class: discrete or continuous?

You count people

Answer: discrete

2. Temperature over a day: which?

Measured, unbroken

Answer: continuous

3. Number of cars sold: which?

Counted

Answer: discrete

4. Height of a growing plant: which?

Measured

Answer: continuous

5. Should the graph of 'tickets sold' be dots or a solid line?

Whole tickets

Answer: dots (discrete)

6. Should 'distance driven over time' be dots or a line?

Continuous motion

Answer: solid line

7. Cost of x whole pizzas at \$12 each: discrete or continuous domain?

Whole pizzas

Answer: discrete

8. Water in a tank over time: which, and why?

Flows continuously

Answer: continuous

9. A function's domain is $\{0, 1, 2, 3\}$ (bags of chips). Discrete or continuous, and how do you graph it? ★

Only whole bags

Answer: discrete - separate points

10. Give one discrete and one continuous quantity in this scenario: a runner's number of laps and their speed

Count vs measure

Answer: laps discrete; speed continuous