DO NOW

ALGEBRA 1 · 5 MINUTES · START RIGHT AWAY

Lesson 3-1b

Analyze Reasonable Domains and Ranges

Name _____ Date _____ Per _____

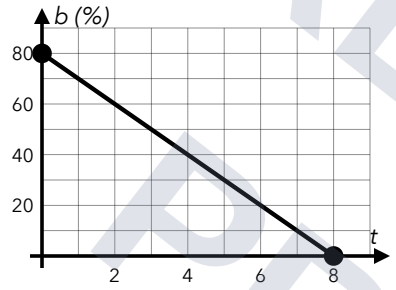
1 FLUENCY

A 600-gallon pool drains at 50 gallons per minute: $v(t) = 600 - 50t$. Write a reasonable domain and range.

Domain: _____ Range: _____

2 VISUAL MODEL

The graph shows a phone's battery charge as it is used.



Domain: _____

Range: _____

3 APPLICATION

A van holds at most 7 students. Each student pays $3 for the trip, so the cost is $c = 3s$. What is the greatest value in the range? Is the domain discrete or continuous?

Greatest cost: $ ☐ **discrete** or **continuous**

4 REASONING

Select TWO situations whose reasonable domain is continuous.

- **A** number of tickets sold
- **B** gallons of gas pumped
- **C** number of people in a car
- **D** time spent running

*We don't divide our effort, we **multiply** it!*

✎ Show your work ✓ Check your work ★ Try your best

Preview - the full worksheet and its answer key are at primeworksheet.com