

# Algebra I

## Selecting Bounds

Carnegie Learning

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ HOUR: \_\_\_\_\_

Consider a standard Carnegie Learning graph (15 by 15 units) when completing this assignment.

Data Table #1 - School

| Day | Absences |
|-----|----------|
| 1   | 34       |
| 4   | 54       |
| 6   | 78       |
| 7   | 93       |
| 9   | 110      |
| 13  | 84       |

Select appropriate bounds for this data.

| Variable Quantity | Lower Bound | Upper Bound | Interval |
|-------------------|-------------|-------------|----------|
| Day               |             |             |          |
| Absences          |             |             |          |

What is the independent variable?  
\_\_\_\_\_

What is the dependent variable?  
\_\_\_\_\_

Data Table #2 - Shoes

| Age | Shoe Size |
|-----|-----------|
| 11  | 4         |
| 12  | 4.5       |
| 14  | 5         |
| 15  | 5.5       |
| 16  | 6         |
| 17  | 6.5       |

Select appropriate bounds for this data.

| Variable Quantity | Lower Bound | Upper Bound | Interval |
|-------------------|-------------|-------------|----------|
| Age               |             |             |          |
| Shoe Size         |             |             |          |

What is the input?  
\_\_\_\_\_

What is the output?  
\_\_\_\_\_

Data Table #3 - Pistons

| Game | Points |
|------|--------|
| 2    | 48     |
| 13   | 65     |
| 18   | 32     |
| 52   | 78     |
| 35   | 88     |
| 72   | 99     |

Select appropriate bounds for this data.

| Variable Quantity | Lower Bound | Upper Bound | Interval |
|-------------------|-------------|-------------|----------|
| Game              |             |             |          |
| Points            |             |             |          |

What quantity is the domain?  
\_\_\_\_\_

What quantity is the range?  
\_\_\_\_\_

Data Table #4 - Salaries

| Age | Salary (\$) |
|-----|-------------|
| 24  | 12,000      |
| 15  | 6,000       |
| 36  | 52,000      |
| 55  | 86,000      |
| 72  | 84,000      |
| 43  | 43,000      |

Select appropriate bounds for this data.

| Variable Quantity | Lower Bound | Upper Bound | Interval |
|-------------------|-------------|-------------|----------|
| Age               |             |             |          |
| Salary (\$)       |             |             |          |

What is the independent variable?  
\_\_\_\_\_

What is the dependent variable?  
\_\_\_\_\_