

Car Speed Study Answer Key

Calculated Results

| Measure | Value |
|--------------------|---|
| Mean | 48.5 mph |
| Median | 47.5 mph |
| Mode | No single mode (many values appear twice) |
| Standard Deviation | 5.7 mph |

Frequency Table (5 mph ranges)

| Speed Range (mph) | Number of Cars |
|-------------------|----------------|
| 40-44 | 9 |
| 45-49 | 9 |
| 50-54 | 6 |
| 55-59 | 5 |
| 60-64 | 1 |

(Total = 30 cars)



Multiple-Choice Answers

- Which range had the most cars? Answer: 45-49 mph
- What is the mean speed? Answer: 48 mph
- What is the median speed? Answer: 48 mph
- What is the approximate spread (standard deviation)? Answer: 6 mph
- Based on the results, were most drivers below or above 55 mph?
Answer: Below (23 out of 30 cars were ≤ 54 mph)