

Lesson 3 Skills Practice

Measures of Variation

Find the range, median, first and third quartiles, and interquartile range for each data set. Name any outliers.

- | Number of Boxes of Popcorn Sold | | | | | | |
|---------------------------------|----|----|----|----|----|----|
| 52 | 72 | 96 | 21 | 58 | 40 | 75 |

75, 58, 40, 75, 35; none
- | Number of Text Messages Sent | | | | | | | |
|------------------------------|----|----|---|----|----|----|----|
| 20 | 23 | 18 | 4 | 17 | 21 | 15 | 56 |

52, 19, 16, 22, 6; 4 and 56
- | Test Grades | | | | | | | | |
|-------------|----|----|----|----|----|----|----|----|
| 83 | 83 | 85 | 87 | 89 | 88 | 67 | 79 | 81 |

22, 83, 80, 87.5, 7.5; 67
- | Ages of Grandmothers (yr) | | | | | | | | |
|---------------------------|----|----|----|----|----|----|----|----|
| 59 | 72 | 65 | 51 | 62 | 77 | 82 | 64 | 54 |

31, 64, 56.5, 74.5, 18; none
- | Time to Sprint 40 Meters (s) | | | | | | | | | |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6.3 | 6.7 | 6.2 | 4.9 | 6.7 | 6.6 | 6.1 | 6.3 | 6.4 | 5.8 |

1.8, 6.3, 6.1, 6.6, 0.5; 4.9
- | Number of DVDs | | | | | | | | | |
|----------------|----|----|---|----|----|----|----|---|----|
| 15 | 16 | 18 | 9 | 18 | 17 | 19 | 19 | 4 | 36 |

32, 17.5, 15, 19, 4; 4 and 36