Name _____

Data Shift Answer Key

1. Increases. Median changes from 9 to 10.
2. Increases. Mode changes from 8 to 10.
3. Decreases. Range changes from 16 to 14.
4. Stays the same. Median remains 13.
5. Increases. Mode changes from 18 to 20.
6. Increases. Range changes from 20 to 26.

Teacher's Guide

- Quick implementation: Have students calculate only the named statistic for the before-and-after sets, then compare the two results.
- Differentiation: Encourage students to underline the middle value for median, circle repeated values for mode, and mark the minimum and maximum for range.
- Engagement: Before calculating, have students predict the effect of each change. They can then check whether their prediction was correct.
- Extension: Ask students to change one value in a data set so that a chosen statistic stays the same, then explain why their change works.

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