Name _____

Average Shift Answer Key

1. Original mean: 9; New mean: 10; Increased by 1.
2. Original mean: 13; New mean: 12; Decreased by 1.
3. Original mean: 9; New mean: 10; Increased by 1.
4. Original mean: 18; New mean: 16; Decreased by 2.
5. Original mean: 13; New mean: 15; Increased by 2.
6. Original mean: 21.5; New mean: 19.5; Decreased by 2.

Teacher's Guide

- Quick implementation: Have students calculate the original mean first, replace the specified value, and then calculate the new mean.
- Quick implementation: Before calculating, ask students to predict whether the mean will increase or decrease.
- Differentiation: Have students rewrite each complete data set after making the change so they do not accidentally use the original value.
- Differentiation: For additional support, let students compare the original and new totals before dividing.
- Engagement: Turn each item into a prediction challenge. Students can decide the direction of the change before doing any calculations.
- Extension: Ask students to determine how much one value must change to increase the mean by 3.
- Extension: Have students investigate what happens when one value changes by the same amount in data sets containing different numbers of values.

© GetWorksheets.com