

Check The Trends Answer Key

1. Yes. No error.
2. No. The line is too steep and does not balance the points.
3. Yes. No error.
4. No. One unusual point distorted the line.
5. No. The line is too low and leaves the points unbalanced.
6. Yes. No error.

Teacher's Guide

- Remind students that a reasonable line of best fit follows the overall direction and passes near the center of the data.
- Emphasize that a best-fit line does not need to pass through every data point.
- For extra support, have students check three features in order: direction, steepness, and balance.
- For a challenge, ask students to describe how they would reposition each unreasonable line.
- Increase engagement by having pairs act as reviewers who approve or correct each fictional student's work.
- Extend the activity by having students sketch a scatter plot and both a reasonable and unreasonable line of best fit for it.