

Lesson 4-3: Use Linear Models to Make Predictions

1. Sample answer: The line shows a trend in the data. You can solve the equation to predict a likely outcome.
2. Sample answer: Use the slope formula and points on the graph of the line to find the slope. Then use the slope and the y-intercept to write the equation.
3. No; Sample answer: Sometimes the linear model will give you a negative number, or an unrealistic number once you go outside the range of the scatter plot's data.
4. a. \$63.24
b. 4 children
5. - 0.16
0.16
25
25; - 4
4
6. About \$2.48
7. About 11.91 inches
8. About 1,958 feet
9. About 18 minutes
10. 12°F or 18°F
11. C, D, E