

Lesson 10 Practice Problems

- 1. Estimate the side length of a square that has a 9 cm long diagonal.
- 2. Select **all** quantities that are proportional to the diagonal length of a square.
 - A. Area of the square
 - B. Perimeter of the square
 - C. Side length of the square
- 3. Diego made a graph of two quantities that he measured and said, "The points all lie on a line except one, which is a little bit above the line. This means that the quantities can't be proportional." Do you agree with Diego? Explain.
- 4. The graph shows that while it was being filled, the amount of water in gallons in a swimming pool was approximately proportional to the time that has passed in minutes.

