

Performance Task(s)

Task 2 – Shoelace Factory

You work in a factory that makes shoes. You have to decide what length of shoelace to select based on the number of lace holes in a shoe. The shoes in your company have anywhere from 1 pair of lace holes, up to 15 pairs of lace holes. A full-size shoe with 7 pairs of lace holes is shown (on the back) to help you solve this problem.

1. Create a rule that will tell you the length of the shoelace needed when the number of holes in the shoe is known. Explain how you arrived at the rule.
2. Design three signs to display in the factory to help people select the correct shoelaces if they know the number of pairs of lace holes.
 - a) One sign must have a table.
 - b) One sign must have a graph.
 - c) One sign must have a formula.



