

Functions and Graphs

The purpose of these activities is to better understand functions and their graphs.

Every square has both a perimeter p and an area A . In other words, there is a relationship between the set of perimeters of squares and the set of areas of squares. Is this relationship a function?

Exercise 1 If $p = 20$, then $A = \boxed{25}$.

Exercise 2 If $A = 36$ then $p = \boxed{24}$.

In the two exercises above, was there more than one answer? Would there ever be more than one answer?