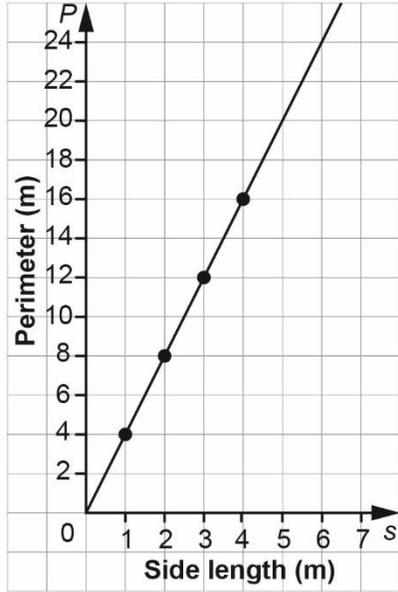


Algebra
Unit 1 Line Master 3a

Fencing a Garden

This graph shows the relationship between the side length of a square garden and the perimeter.



1. a) Complete the table of values for the relationship.

b) What does s represent?

| s | P |
|-----|-----|
| 0 | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |

c) What does P represent?

Fencing a Garden (cont'd)

5. Suppose a person has 20 m of fencing.
What is the side length of the largest square garden they could enclose?
How did you determine your answer?
6. Suppose a person has 14 m of fencing.
What is the side length of the largest square garden they could enclose if the side length does not need to be a whole number of metres?