EXERCISE 3
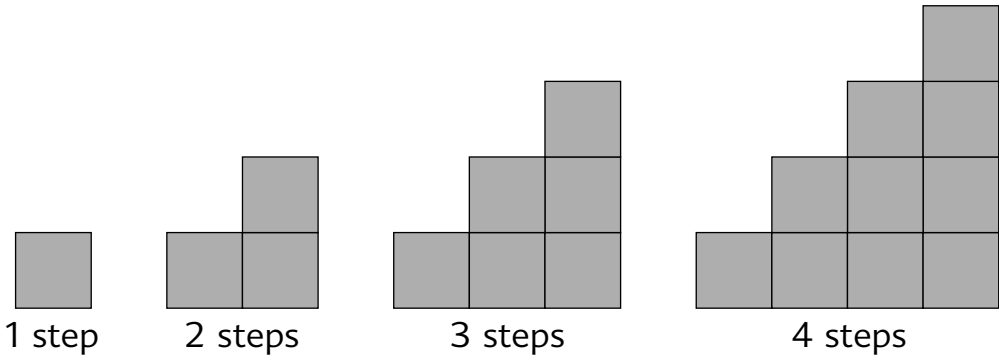
1. Squares, with sides 1 cm, are used to make stairs. How does the perimeter change as the number of steps increases?

1 step   2 steps   3 steps   4 steps

(a) Complete the table by filling in the perimeters.

Number of steps	1	2	3	4	5	6		n
Perimeter (cm)								

(b) Write a formula for the perimeter, using P to stand for perimeter and n to stand for the number of steps.

$P =$

(c) What is the perimeter if the number of steps is 20?