

EXERCISE 1

Write an algebraic expression for the area of a square with side length s . Then use algebra to find the area of a square with side length $s + 2$. Compare the two areas. How much larger is the area of the square with side length $s + 2$ than the area of the square with side length s ?

Step 1: Write the area of the square with side length s .

Step 2: Write the area of the square with side length $s + 2$.

Step 3: Subtract the area of the square with side length s from the area of the square with side length $s + 2$.

Step 4: Simplify the expression.

Step 5: Interpret the result.

Step 6: Write the area of the square with side length $s + 2$.

Step 7: Subtract the area of the square with side length s from the area of the square with side length $s + 2$.

Step 8: Simplify the expression.

Step 9: Interpret the result.

EXERCISE 2