

Jessica has four square tiles. Each of them has an area of 4 square inches. She placed them together and drew a pattern as shown below. What is the area of the shaded part?



## Solution: 4 square inches.

If we only look at one of the square tiles:

The shaded area is equal to $1 / 4$ of the total area, which is 4 square inches. So the shaded area is 1 square inch. Together the pattern of tiles contains 4 shaded areas. The total shaded area is then $1 \times 4=$ 4 square inches.

