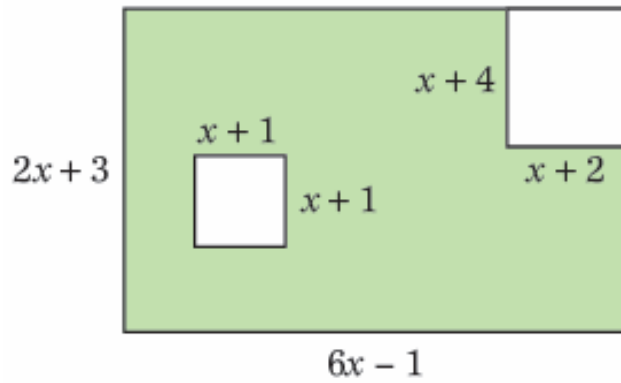


Geometry Problem Solving #4

Quarter 1

1. The area of the shaded region below is 1524 square units. If all the other regions are rectangles, what is the value of x ?



2. In a mathematics class of 26 students, the average score on the midterm exam was 88. If Suzie got 79, Eddie got 90, and Antonella got 75, find the average for the other 23 students rounded to the nearest hundredth of a percent.

3. Look for a pattern and find the missing number x .

3 2 4 8

7 2 1 3

8 4 x 5

4 3 6 9

4. At a dinner party, each man shook hands with everyone except his spouse, but no women shook hands. If 13 married couples attended, how many handshakes occurred among the 26 people?