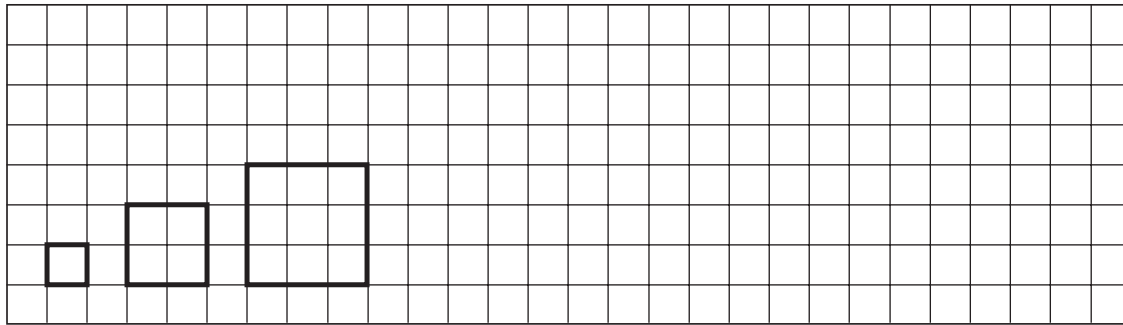


Perfect Squares

1. Study the pattern below. Complete the next three figures in the pattern.



2. Use this pattern to complete the following table.

Length of Each Side	1	2	3	4	5	6
Total Number of Small Squares	1	4	9			

3. What is the relationship between the length of each side and the number of small squares?

4. Numbers such as 1, 4, and 9 are called **perfect squares** because they are squares of whole numbers. List the first 10 perfect squares.

Find the value of each expression.

5. 13^2

6. 20^2

7. 14^2

8. 100^2

9. 25^2

10. 18^2

Determine whether each number is a perfect square. If it is a perfect square, write the number as another number squared.

11. 25

12. 32

13. 81

14. 44

15. 64

16. 16

17. 116

18. 144

19. 121

20. 225

21. 150

22. 125