

Activity 17 — Perimeter and Area of a Square

Objectives

This activity is designed to help students discover the following concepts:

- ✓ *The perimeter of a square increases by 4 as the side length increases by 1.*
- ✓ *Area of a square is always a perfect square number.*

Vocabulary

square
area

perimeter
perfect square numbers

Answers

19. The perimeter increases by 4 as the side length increases by 1.
20. 1, 4, 9, 16, 25, 36.
21. The numbers are the same.
22. The area of a square is where perfect square numbers come from.

side length=5.90 cm

perimeter=23.62 cm

area=34.86 cm²

	side length=	perimeter=	area=	side length=	side length=
1	0.99	3.96	0.98	-	-
2	2.00	8.01	4.01	2.00	-
3	3.00	12.00	8.99	3.00	3.00
4	4.00	16.00	16.00	4.00	4.00
5	5.00	20.00	25.00	5.00	5.00
6	6.00	24.00	36.00	6.00	6.00
7					
8					
9					
10					
11					

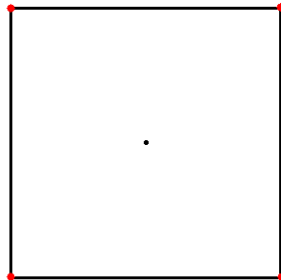


Figure A.14