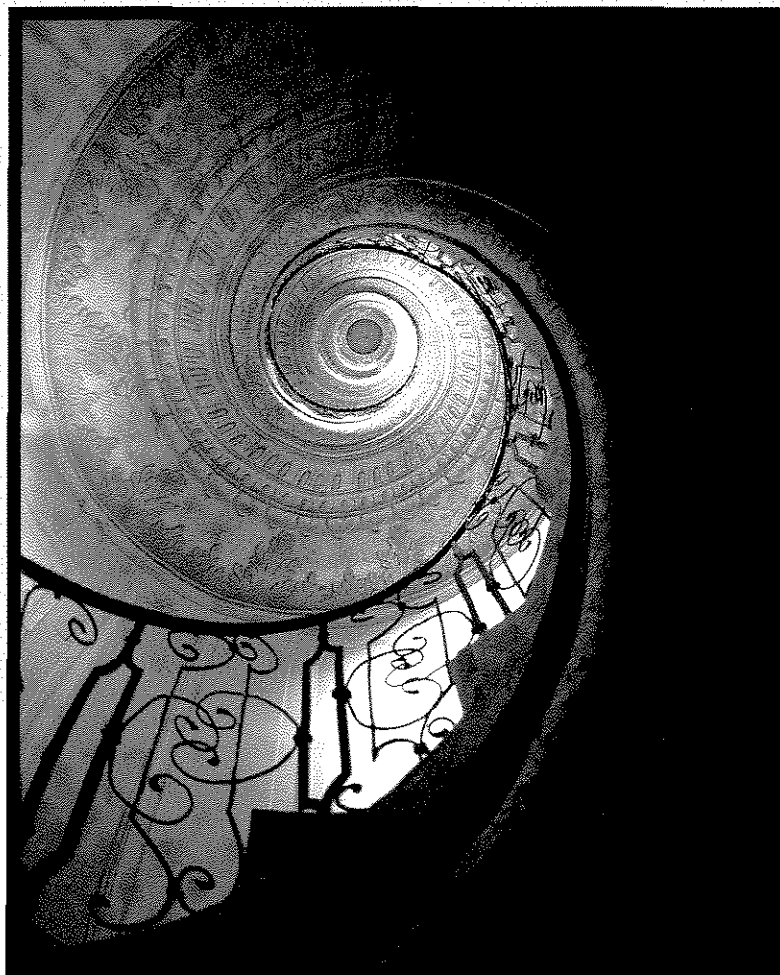


CHAPTER

11



A spiral staircase

Coming in this chapter:

Exploration On graph paper, you want to go from $(0, 0)$ to (p, q) , where p and q are positive whole numbers. If you travel only up and to the right, following graph paper lines, how many ways are there to do it? If you travel in a straight line, how many graph paper squares do you cross?

INTERPRETING RATIOS

- 11.1 Sums of Geometric Sequences
- 11.2 Decimals and Fractions
- 11.3 Stairs and Squares
- 11.4 Irrational Numbers
- 11.A *THINKING/WRITING:*
Nested Squares
- 11.5 Dice Games
- 11.6 What is Probability?
- 11.7 Random Walks
- 11.8 Unit Conversion
- 11.B *THINKING/WRITING:*
Calibrating a Speedometer
- ◆ Essential Ideas