



The spiraling vortex of a whirlpool

Coming in this chapter:

Exploration You want to make pens for Stripe, your pet zebra, and Polka Dot, your pet leopard. You have 100 feet of fencing. If you use all of it to make two pens of equal area, what is the biggest area possible?

MAKING DECISIONS

13.1 Rectangular Pens: Constant Perimeter

13.2 Advanced Penmanship

13.3 The Zero Product Property

13.4 Rectangular Pens: Constant Area

13.A *THINKING/WRITING:*
Business Applications

13.5 Packing and Mailing

13.6 Solving with Squares

13.7 Finding the Vertex

13.8 Quadratic Equations: $x^2 + bx + c = 0$

13.B *THINKING/WRITING:*
Find the Dimensions

◆ Essential Ideas