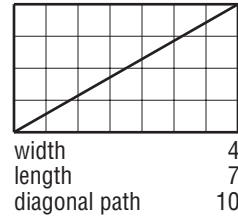


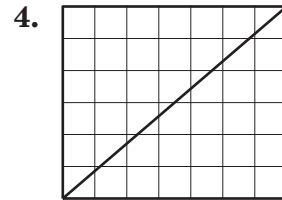
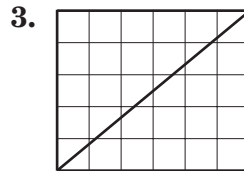
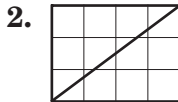
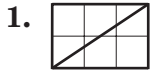
# Enrich

## Getting From Here to There

At the right, you see a rectangle on a grid of squares. The rectangle is 4 units wide and 7 units long. The *diagonal path* of this rectangle crosses 10 squares of the grid.

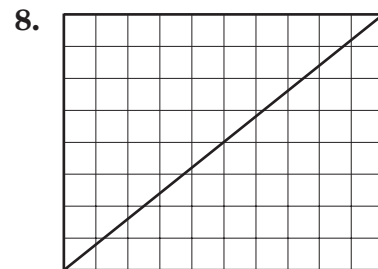
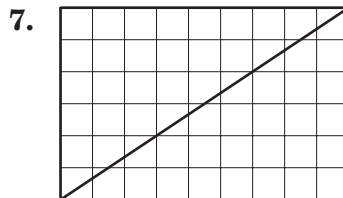
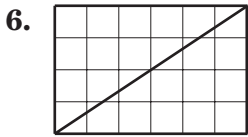


For each rectangle, record the width, the length, and the diagonal path.



5. Refer to your answers to Exercises 1–4. What is the pattern?

Now record the width, length, and diagonal path for each of these rectangles.



9. Refer to your answers to Exercises 6–8. Does the pattern that you found in Exercise 5 still hold?

10. What is the difference between the rectangles in Exercises 1–4 and the rectangles in Exercises 6–8?

Predict the diagonal path for each rectangle.

11. 4 units by 9 units

12. 10 units by 21 units

13. 20 units by 30 units

14. 20 units by 24 units