## inside $+ x = \div$ mathematics

## **Miles of Tiles**

## Level E

Your boss is proud of how you handled the overstocked tile problem. Your boss wants to know your secret, so the boss has given you the following job:

Inside

Inside Problem Solving

Write a memo to your boss that answers the following questions:

- Given any number of large squares and small square tiles, how can you create enough rectangular • tiles to make various rectangular configurations?
- Given a specific number of large squares, small squares, and rectangles, can you always make a • rectangular configuration from those tiles? If so, why, and if not, how would you know for sure?
- Can you make rectangular configurations given any number of large and small squares? Explain why • or why not.

Remember your tiling career hangs in the balance, so you need to use mathematics to explain your reasoning.

- Inside Problem Solving: Miles of Tiles -

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