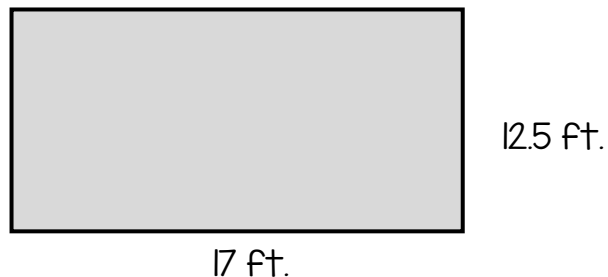


POW 18**PART A**

A carpenter is going to install square tiles on a living room floor. The living room floor is in the shape of a rectangle, as shown.



The side length of each square tile is 6 inches. What is the minimum number of tiles the carpenter needs to completely cover the living room floor?

- A. 213
- B. 425
- C. 850
- D. 1,275

PART B

Sharon has a patio in the shape of a rectangle. The length of the patio is L feet. The width of the patio is W feet. Sharon plans to expand the patio by increasing the length by 50% and increasing the width by 20%.

Which of the following expressions could be used to find the area, in square feet, of the expanded patio?

- A. $(1.5L) \times (1.2W)$
- B. $(L + 0.5) \times (W + 0.2)$
- C. $(L \times W) + (0.5 + 0.2)$
- D. $(0.5L) \times (0.2W)$