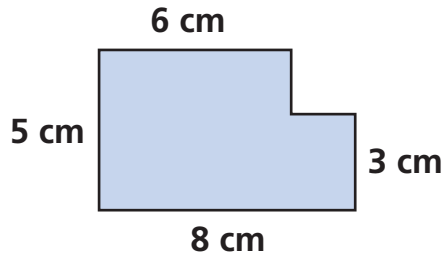


# Problem Solving Test Prep

Choose the correct answer.

- 1 What are the length and width of a rectangle that has the same perimeter as the figure?

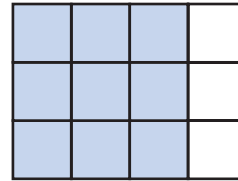


- A. 3 cm by 6 cm    C. 8 cm by 5 cm  
B. 3 cm by 8 cm    D. 8 cm by 6 cm

- 2 Which is the best estimate of  $391 \times 42$ ?

- A. 1,200            C. 12,000  
B. 1,600            D. 16,000

- 3 Which pair of equivalent fractions matches the shaded area of the figure below?



- A.  $\frac{3}{4} = \frac{8}{12}$             C.  $\frac{1}{4} = \frac{3}{12}$   
B.  $\frac{3}{4} = \frac{9}{12}$             D.  $\frac{2}{3} = \frac{8}{12}$

- 4 Which is the only number that is NOT between 21.8 and 21.9?

- A. 21.81            C. 21.89  
B. 21.88            D. 21.91

## Show What You Know

Solve each problem. Explain your answer.

- 5 Serena has 43 small cubes. Can she make a rectangular prism using all the cubes? If not, what is the greatest number of cubes she can use? Explain how you decided.

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- 6 Alex has 35 small cubes. He begins building a staircase in which the first step has 1 cube, the next has 2 cubes, and so on. Can he use all 35 cubes? If not, how many will he have left? Explain.

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