

# Problem Solving Test Prep

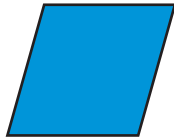
Choose the correct answer.

- 1 Which number makes the inequality true?

$$831,492 < \blacksquare < 831,501$$

- A. 831,520      C. 831,499  
B. 831,502      D. 831,399

- 2 Which is the only description of the figure that is **not** correct?

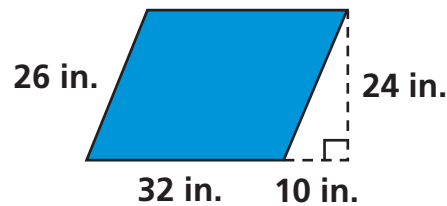


- A. parallelogram, rhombus  
B. quadrilateral, parallelogram  
C. quadrilateral, rhombus  
D. parallelogram, trapezoid

- 3 Juice boxes are packed in groups of 3. What is the greatest number of groups that can be made from 583 juice boxes?

- A. 193      C. 195  
B. 194      D. 196

- 4 What is the area of the figure?



- A. 240 sq in.      C. 768 sq in.  
B. 260 sq in.      D. 832 sq in.

## Show What You Know

Solve each problem. Explain your answer.

- 5 Ty tossed two 1–6 number cubes. He added the numbers. He started a table to show the probability of each outcome. Copy and complete the table.

Outcome	Probability
2	$\frac{1}{36}$
3	$\frac{2}{36}$
4	$\frac{3}{36}$

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- 6 Copy and complete the table of all possible outcomes for this experiment: Toss a coin and a 1–6 number cube. Name an event that has a probability of exactly  $\frac{1}{4}$ .

Outcome	Probability
Heads, 1	$\frac{1}{12}$
Heads, 2	$\frac{1}{12}$
Heads, 3	$\frac{1}{12}$

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