Math
Accuracy

🎯 Learning Targets

1. Eliminate answer choices that appear correct at first glance but have incorrect elements.

2. Avoid wasting time evaluating outlier options.

3. Identify common errors that decrease accuracy.

Instructions

Use Accuracy strategies to answer the following question.

Accuracy

When you are comparing answer choices to figure out which one is best, you can avoid careless errors by remembering a few key strategies:

1. Just because an answer choice matches your work doesn't mean it's right.

2. Watch out for negative numbers. The test will include choices with both positive and negative versions of the correct answer.

3. Answer the full question. The value you find during one step of problem-solving can show up as an answer.

4. Draw it out. Following only one portion of the directions in the question can give you a matching—but incorrect—answer.

DO YOUR FIGURING HERE.

1. What is the value of y in the solution to the system of equations below?

$$5x - 5y = \ \ 25$$
$$x + 4y = -10$$

- A. -22
- B. $\ \ -3$
- C. $\ \ -1$
- D. $\ \ \ \ 3$
- E. $\ \ \ \ 5$

Instructions

Use Accuracy strategies to answer the following question.

DO YOUR FIGURING HERE.

2. What is the surface area, in square centimeters, of a 7 centimeter cube?

    F. 7
    G. 49
    H. 196
    J. 294
    K. 343

Instructions

Use Accuracy strategies to answer the following question.

3. The figure below shows an emblem that is being designed for a company logo. It features a square inscribed within a diamond, which is inscribed in a circle, which is inscribed within a square. The edges of the outside square are 4 inches in length.

4 in
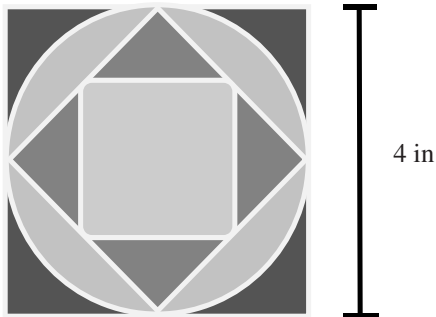
The company wants to create a sign from the image to be posted in front of its building. The length of each edge is to be 400% of its original size. What will be the area of the new sign, in square inches?

A. 64
B. 128
C. 256
D. 448
E. 512