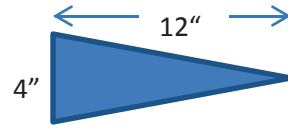


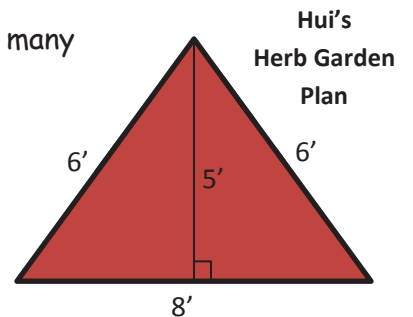
## Typical Triangle Problems

**Directions:** Using what you know about the relationship between triangles and rectangles, find the answer to each question below. Don't forget to label your answer with the correct units of measure!

1. Betsy is making pennants using the pattern on the right. How many square inches of material will she need for each pennant?



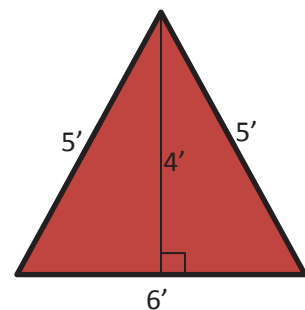
2. Hui created a triangular garden bed for his herb garden. How many square feet of growing space does he have?



3. How many feet of fencing would Hui need to trim his herb garden with a small picket fence?

4. Which of the following expressions represents the area of the triangle on the right?

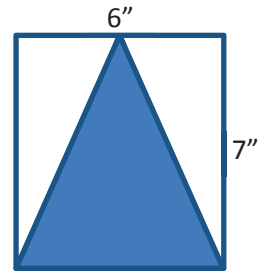
- (1)  $4 + 4 + 6$
- (2)  $4 + 5 + 6$
- (3)  $6 \times 5$
- (4)  $6(5)/2$
- (5)  $(4 + 4 + 6)/2$



## Typical Triangle Problems

5. How many square inches are there in the dark-colored triangle on the right?

- (1) 15
- (2) 22
- (3) 28
- (4) 30
- (5) 56

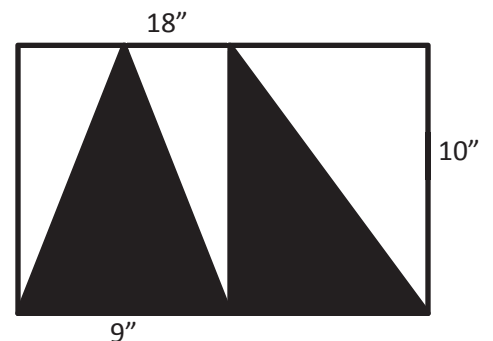


6. The pennant on the right uses 48 square inches of cloth. If the base (left hand side as shown) is 8 inches, how many inches long is the pennant?

- (1) 6
- (2) 12
- (3) 56
- (4) 96
- (5) 104



7. In the op art picture on the right, how many square inches are painted black?



8. In that same op art picture, how many square inches are painted white?

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