



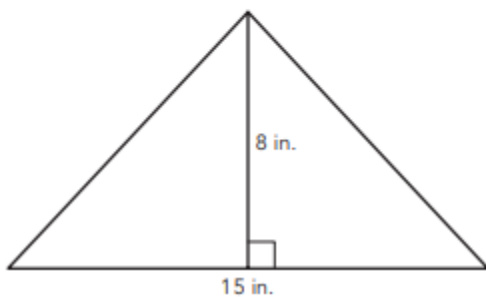
Objective: REVIEW

**Day 2**

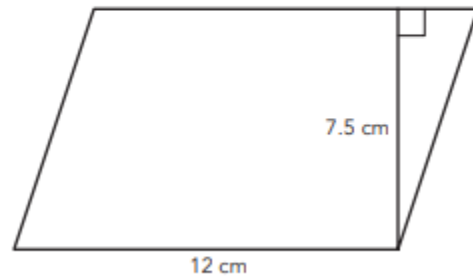
**IV. Solving Area Problems**

A. Use the given information to answer each question

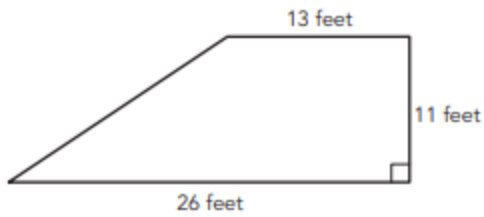
1. A flag is folded into a triangle to be displayed in a triangular display with the dimensions shown in the diagram. How many square inches of glass are need to cover the display?



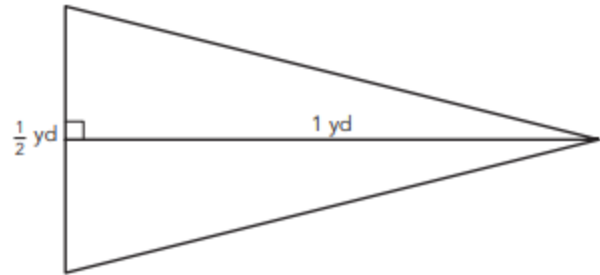
2. Yvonne cut a picture into the shape of a parallelogram to place into her scrapbook. The picture is shown. What is the area of the picture?



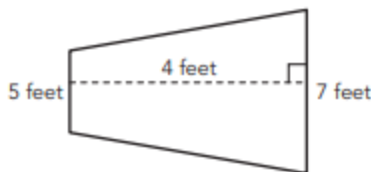
3. The side of a staircase has the shape of a trapezoid with the dimensions shown in the diagram. You want to paint this side of the staircase. How many square feet will you need to cover with paint?



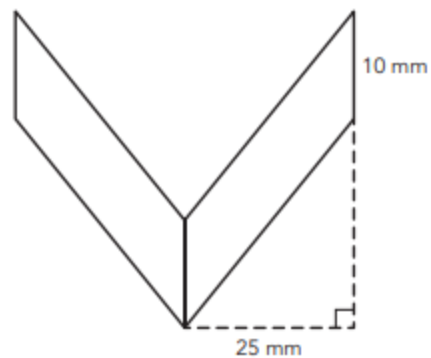
4. Aisha wants to make a pennant using felt for her school's football team. The pennant will be a triangle with the dimensions shown in the diagram. How many square yards of felt will the pennant be made of?



5. The planning committee submitted a plan to the town architect to revitalize the town square. Their plan includes a new flagpole with a concrete base in the shape of a trapezoid. The base of the trapezoid and its dimensions are shown. What is the area of the base proposed by the planning committee?



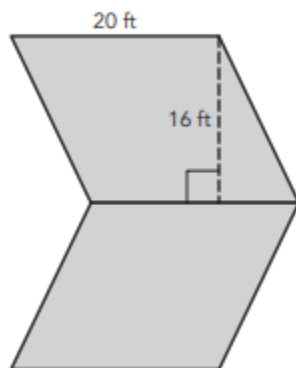
6. A pendant on a necklace is created from two congruent parallelograms that share a side. The pendant is shown below. Half of the pendant will be covered with gold leaf. How many square millimeters of gold leaf will be used?



## V. Calculating Area of Composite Figures

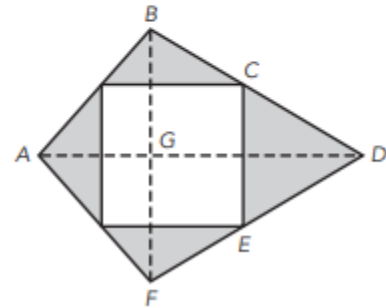
A. Calculate the area of each shaded region.

1. The figure is composed of 2 congruent rhombi.

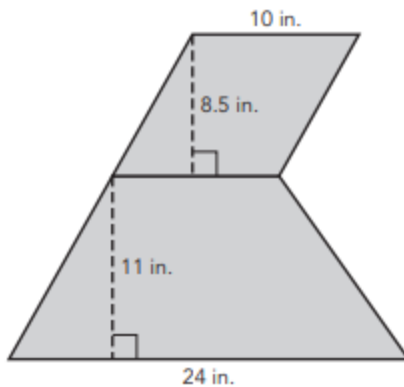


2. The figure is composed of a kite and a square.

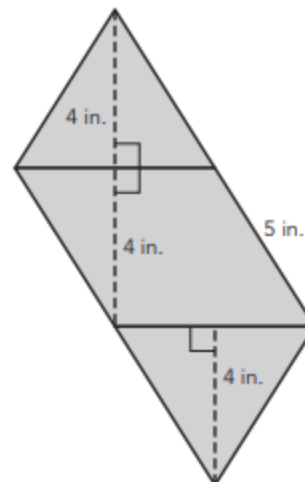
Given:  $AG = 7$  meters,  $BG = FG = 8$  meters,  $DG = 13.5$  meters, and  $CE = 9$  meters



3. The figure is composed of a trapezoid and a rhombus.

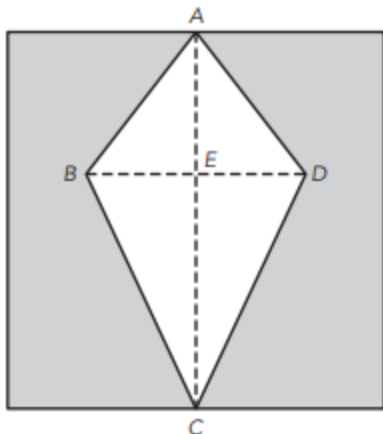


4. The figure is composed of 2 congruent triangles and a rhombus.

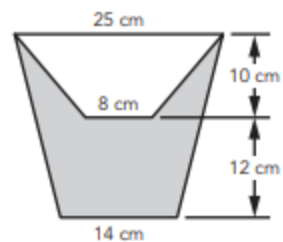


5. The figure is composed of a square and a kite.

Given:  $AE = 9$  inches,  $BE = DE = 7$  inches, and  $CE = 15$  inches.



6. The figure is composed of two trapezoids.



## VI. Investigating Factors and Greatest Common Factors

A. List the factors of each number. Then, determine the greatest common factor.

1. 25, 45

2. 48, 20

3. 32, 56

4. 15, 16

5. 32, 80

6. 25, 36

B. Write the prime factorization for each number. Then, determine the greatest common factor

**1.** 18, 42

**2.** 56, 72

**3.** 54, 45

**4.** 48, 108

**5.** 72, 90

**6.** 36, 60

C. Rewrite each numeric expression using the Distributive Property and the GCF.

**1.**  $56 + 35$

**2.**  $90 + 27$

**3.**  $54 + 72$

**4.**  $36 + 60$

**5.**  $32 + 28$

**6.**  $88 + 66$





