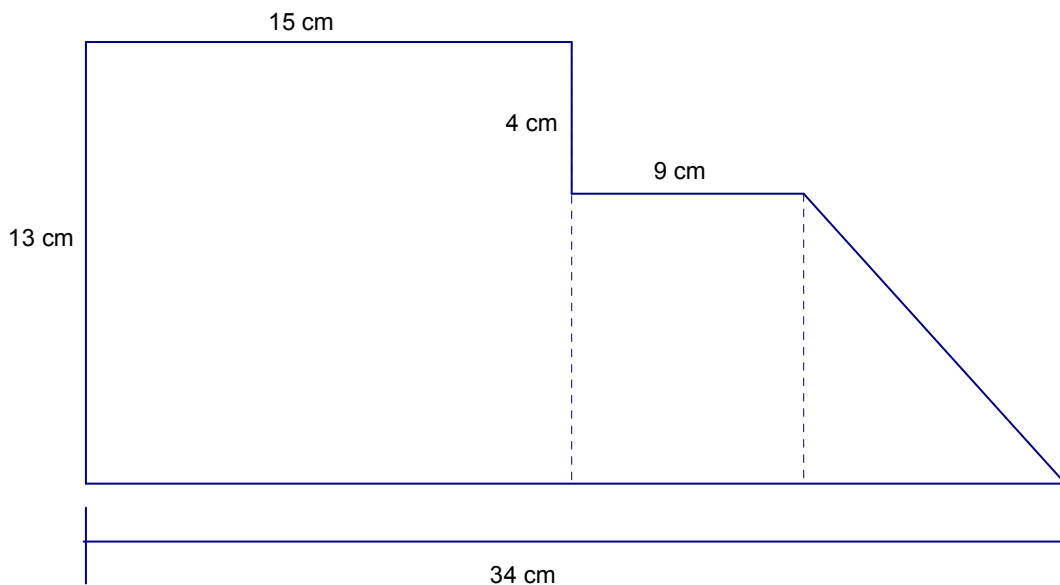


**▮ homework check: “Fence Me In” Assignment****▮ note: Composite Area**

The area of any composite figure can be broken into the sum of the areas of familiar shapes. For example, find the area of the composite figure below.



This figure can be broken into two rectangles and a triangle. Some measurements are not given but can be discovered using the measurements provided.

Rectangle 1:

Length = 15 cm and width = 13 cm

$$A = lw$$

$$= 15(13)$$

$$= 195\text{cm}^2$$

Rectangle 2:

Length = 9 cm and width =  $13 - 4 = 9$  cm

$$A = lw$$

$$= 9(9)$$

$$= 81\text{cm}^2$$

Triangle:

Base =  $34 - 9 - 15 = 10$  cm height =  $13 - 4 = 9$  cm

$$A = \frac{1}{2}bh$$

$$= \frac{1}{2}(10)(9)$$

$$= 45\text{cm}^2$$

Total Area:

$$A_{total} = 195 + 81 + 45$$

$$= 321\text{cm}^2$$

**■ homework assignment: NPM 9 p. 440 # 1 – 5, 7, 10**