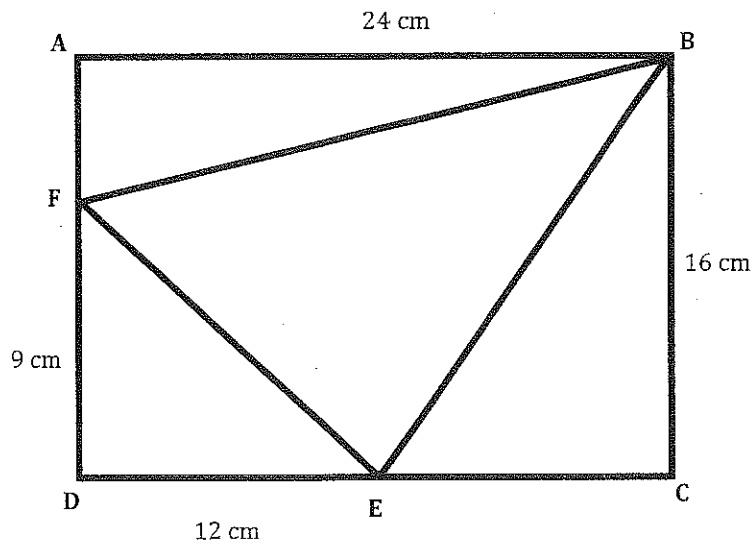

Triangles in a Rectangle

Assessment Task

Ann drew the figure below. The quadrilateral ABCD is a rectangle. $AB = 24$ cm, $BC = 16$ cm, $DE = 12$ cm and $DF = 9$ cm.



1. What is the distance of EC? _____ cm

2. What is the distance of FE? _____ cm
Show how you figured it out.

3. What is the area of $\triangle ABF$? _____ sq cm
Show how you figured it out.

4. What is the area of $\triangle BFE$? _____ sq cm
Show how you figured it out.

5. What is the measure of $\angle BFE$? _____
Justify how you know.