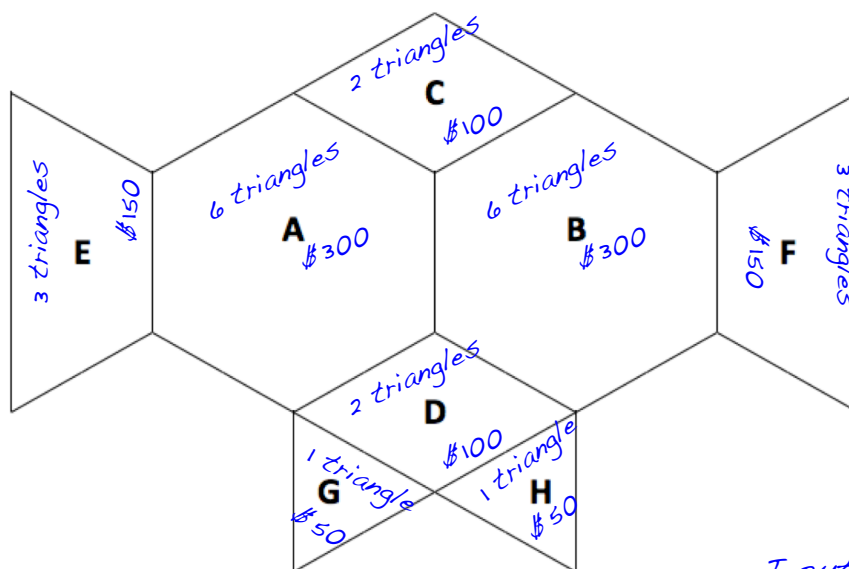


Name Student #1

A Farmer's Fields

A farmer's fields are worth \$1,200 total. The fields are formed with the geometric figures shown below, which are composed of triangles of the same size and with all sides the same length. Each field's value is based on its size. What fraction of the total value is each field worth? How much is each field worth? Show and explain all of your mathematical thinking.



$$\begin{array}{r} \$50.00 \\ 24 \overline{) 1200.00} \\ \underline{120} \\ 0 \end{array}$$

$$\begin{array}{r} 50 \\ \times 2 \\ \hline 100 \end{array} \quad \begin{array}{r} 50 \\ \times 3 \\ \hline 150 \end{array} \quad \begin{array}{r} 50 \\ \times 6 \\ \hline 300 \end{array}$$

$$\begin{array}{r} 150 \\ 150 \\ 300 \\ 300 \\ 100 \\ 50 \\ + 50 \\ \hline 1200 \end{array}$$

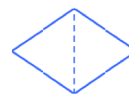
I put it in triangles



hexagon



trapezoid



rhombus



triangle

I will draw a diagram

I have to find out how much each field is worth. So find how many triangles and divide into \$1200.00 to get the answer.

Answer:

Field EF \$150.00

Field AB \$300.00

Field CD \$100.00

Field GH \$50.00