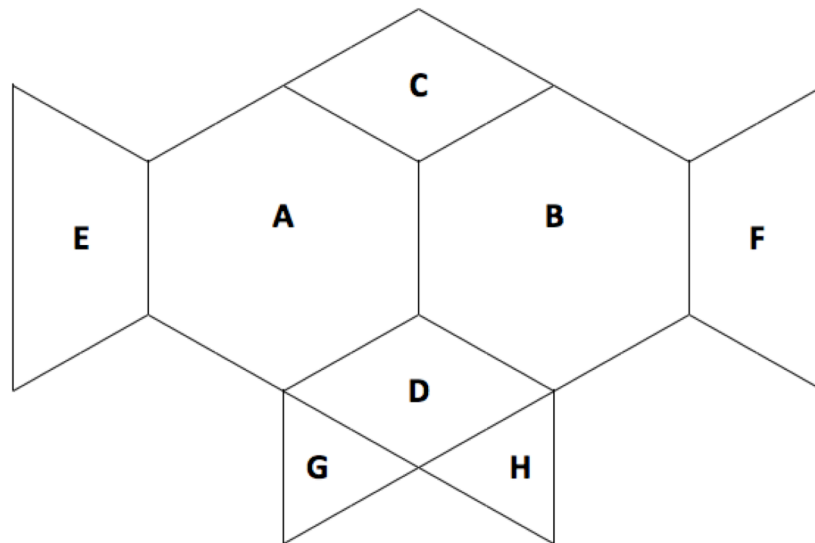


Name Student #2

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.



I need to find out how much and what fraction each field is worth. I will use a chart for both problems.

Each field is worth and fraction answers

Field	worth	fraction of field
A	\$300	1 or $\frac{6}{6}$
B	\$300	1 or $\frac{6}{6}$
C	\$100	$\frac{1}{3}$ or $\frac{2}{6}$
D	\$100	$\frac{1}{3}$ or $\frac{2}{6}$
E	\$150	$\frac{1}{2}$ or $\frac{3}{6}$
F	\$150	$\frac{1}{2}$ or $\frac{3}{6}$
G	\$50	$\frac{1}{6}$
H	\$50	$\frac{1}{6}$

One connection I will like to make is that you can convert the fractions in the problem. For exm: $\frac{1}{2}$ can be $\frac{4}{8}$ and still be the same value. Another connection I will like to do is that A and B is a hexagon. And I know that C and D are rhombi and that E, F are trapizoids and G, H are triangles. The 8 fields use 4 hexagon shapes. You can't do this problem if you don't know how the shapes fit together. Or like $\frac{6}{6} = 1$ or $\frac{1}{2} + \frac{1}{2} = 1$. I started with the triangle and added up by 100. It didn't work so I used 50 and it worked. I added and multiplied in my head. It wasn't very hard because of the zeros.