

Grade 4 Student Work Sample:

Name _____

Farmer Fred

Farmer Fred's fields are worth twelve hundred dollars total. The fields are formed with the same properties as your pattern blocks. 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.

$24 \overline{) 1200.00}$
 $\underline{120} $
 00
 2
 $ 150$
 $ 150$
 $ 300$
 $ 300$
 $ 100$
 $ 100$
 $ 50$
 $ 50$
 $ \underline{1200}$

$\frac{50}{100} \times 2 = \frac{50}{50}$
 $\frac{50}{100} \times 3 = \frac{150}{100}$
 $\frac{50}{300} \times 6 = \frac{50}{50}$

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.

I put in the triangles
 hexagon trapezoid
 rhombus triangle

Answer

Field E \$150.00

Field A \$300.00

Field C \$100.00

Field G \$50.00

page 1 of 1