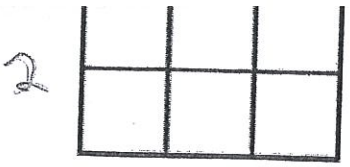
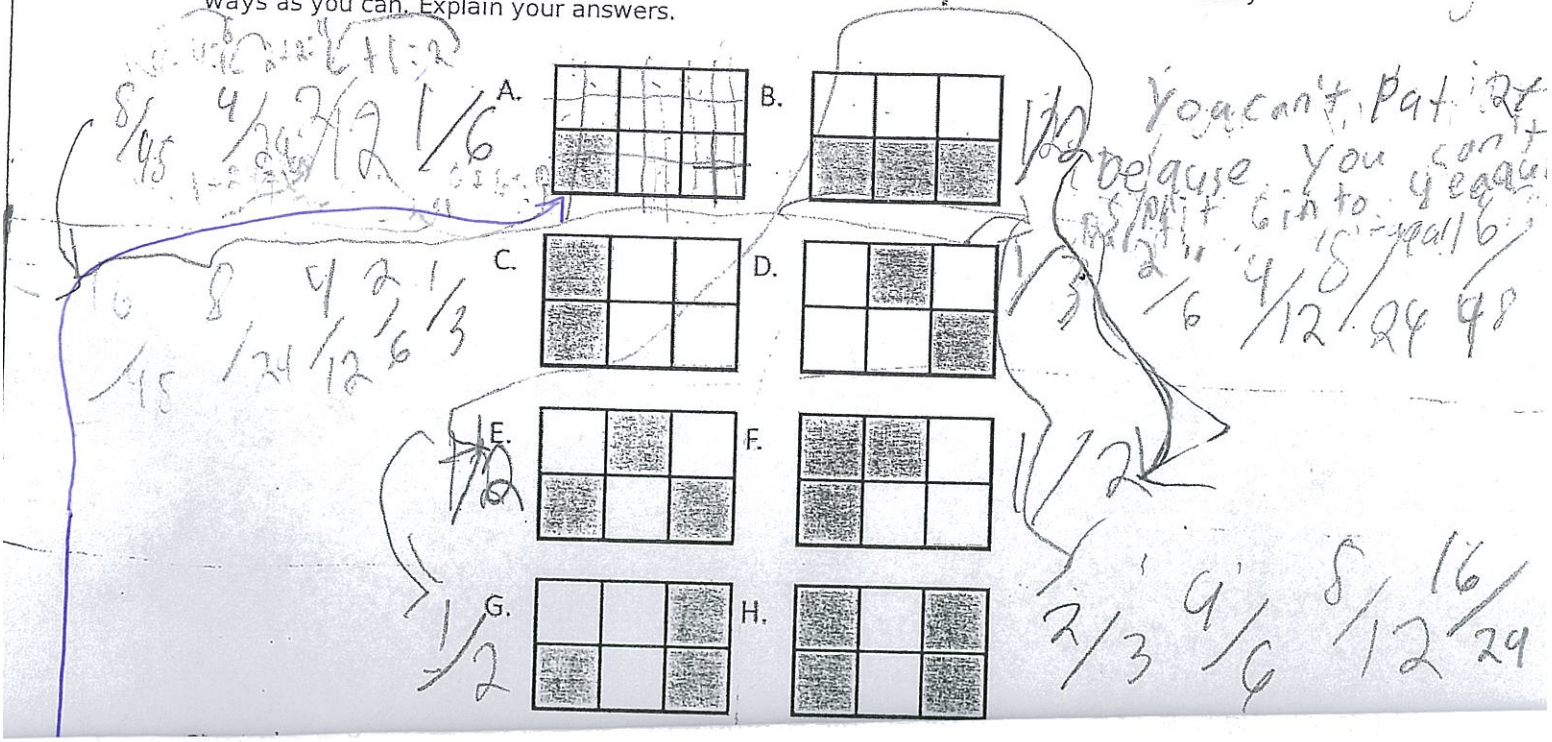
Student 1



2 × 3 = 6

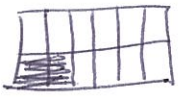
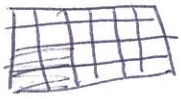
There is Six Pattern the rectangle

b. What fraction of the area of each rectangle is shaded? Name the fraction in as many ways as you can. Explain your answers.



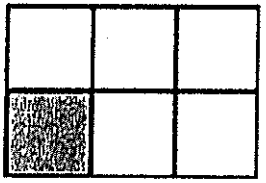
You can't Pat it because you can't split 6 in to 4 equal 6

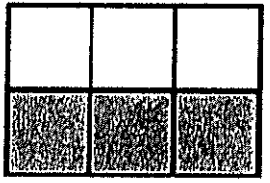
Student:

"I took the array in letter A  which is $\frac{1}{6}$, and broke it into 12 smaller equal parts –  which shows that $\frac{1}{6}$ and $\frac{2}{12}$ take up the same part of the whole. I can divide it into ~~24~~ equal parts  and now it shows that $\frac{1}{6} = \frac{2}{12}$ which is also equal to $\frac{4}{24}$. I noticed a pattern. Each step the numerator doubles + the denominator doubles."

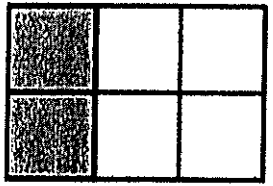
Student 2

1/6

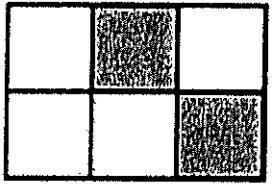
A. 

B. 

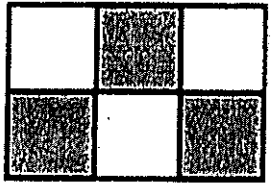
2/6

C. 

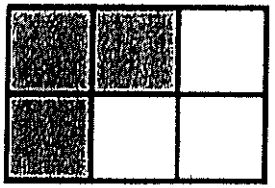
4/6 2/6

D. 

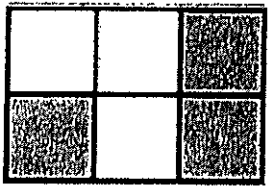
2/6 4/6

E. 

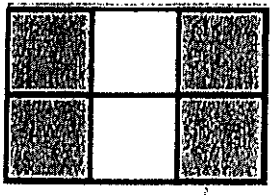
3/6

F. 

3/6

G. 

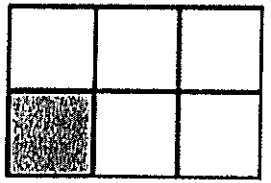
3/6

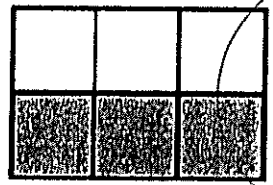
H. 

4/6 2/6

4 Parts are Blue,

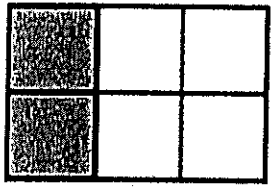
Student 3

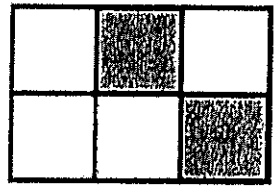
A. 

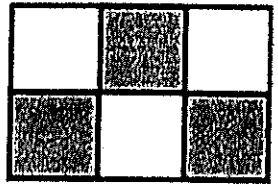
B. 

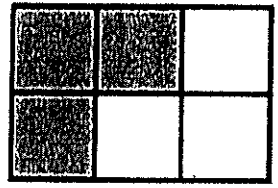
$3 \div 3 = 1$

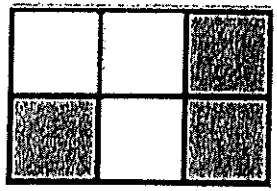
$6 \div 3 = 2$

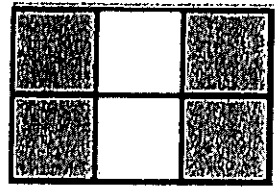
C. 

D. 

E. 

F. 

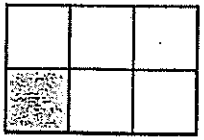
G. 

H. 

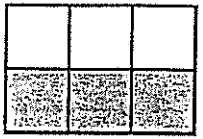
What fraction of the area of each rectangle is shaded? Name the fraction in as many ways as you can. Explain your answers.

Student 4

A.

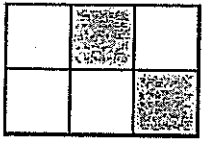


B.

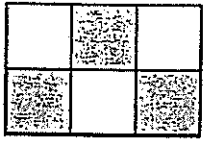


C.

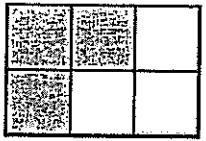
D.



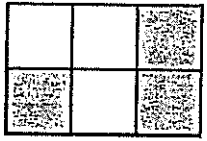
E.



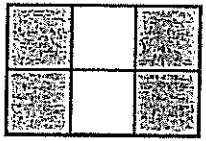
F.



G.



H.



Shade $\frac{1}{2}$ of the area of rectangle in a way that is different from the rectangles above.