

Samples of Student Work:

Fraction Multiplication

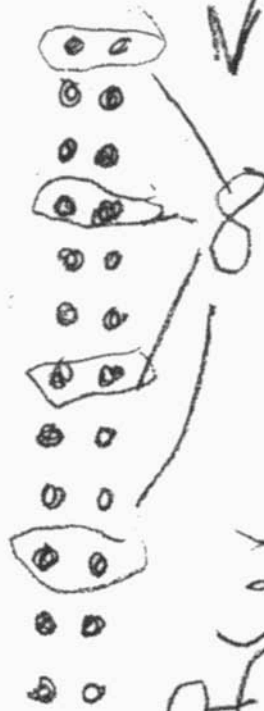
The samples of student work used in this document were taken from the book, *Constructing Ideas about Fractions: Grades 5-6* by Julie Pier Brodie (Creative Publications, 1995).

Student A

I think this one is bigger



$\frac{1}{2}$ of 14



$\frac{1}{3}$ of 24

~~Therefore~~

Student B

I was cutting my pizza and I cut it into thirds.
Then suddenly I dropped the knife and it cut
all of the thirds into half which numbers
do I have? I have sixths.

I was running ^{answer} around its
circles I already ran
9 twelfths how much
more do I have to
run?

I still need to
run 3 twelfths.
answer

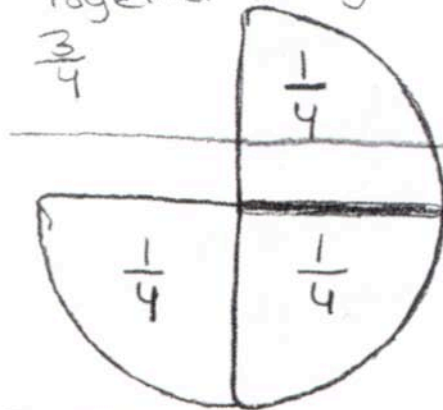
If you don't look
at the answer
then think about $3+3$,
It's 6.

try $12-9=3$

Student C

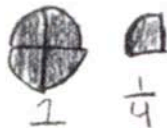
$$3 \times \frac{1}{4} = \frac{3}{4}$$

I took the pieces $\frac{1}{4}$ and put 3 pieces together and got $\frac{3}{4}$



$$5 \times \frac{1}{4} = 1 \frac{1}{4}$$

4 pieces of $\frac{1}{4}$ equals 1 whole. If you had an extra $\frac{1}{4}$, the answer would be $1 \frac{1}{4}$



Student D

I was eating a pizza.
When I ate $\frac{1}{3}$ of the
pizza. My dog snuk up and
munched up $\frac{1}{6}$ of the
pizza! how much is left?

my solution ~~is~~ $\frac{1}{2}$. If I
ate $\frac{1}{3}$ and my dog ate $\frac{1}{6}$
it would be $\frac{1}{2}$ because
 $\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$ equals $\frac{1}{2}$!

