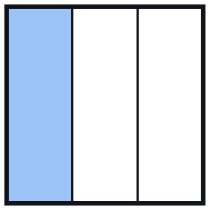
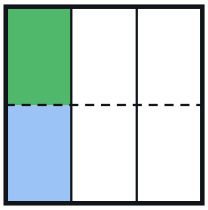
Name _____ Date _____

A Part of a Part

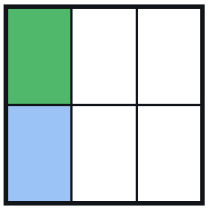
Example



1. Colour $\frac{1}{3}$ of the paper.



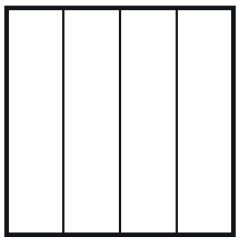
2. Fold the paper in half and colour half of the coloured part.



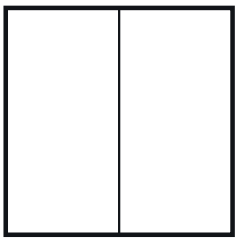
3. Unfold: the paper has 6 equal parts, and the green one is one of them.

$$\frac{1}{2} \text{ of } \frac{1}{3} = \frac{1}{6}$$

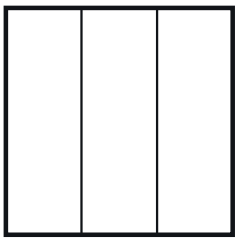
1 ON YOUR OWN Take a sheet of paper, fold it and colour it as in the example. Then draw what you got and fill in.



$\frac{1}{2}$ of $\frac{1}{4}$ = $\frac{\square}{\square}$

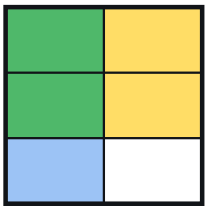


$\frac{1}{3}$ of $\frac{1}{2}$ = $\frac{\square}{\square}$

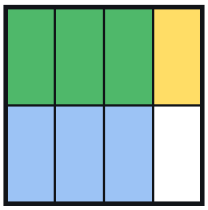


$\frac{1}{4}$ of $\frac{1}{3}$ = $\frac{\square}{\square}$

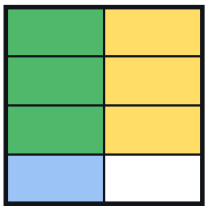
2 IN PAIRS The green part is a part of a part. What does each picture show? Fill in.



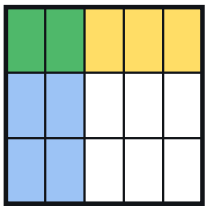
$\frac{\square}{\square}$ of $\frac{\square}{\square}$ = $\frac{\square}{\square}$



$\frac{\square}{\square}$ of $\frac{\square}{\square}$ = $\frac{\square}{\square}$



$\frac{\square}{\square}$ of $\frac{\square}{\square}$ = $\frac{\square}{\square}$



$\frac{\square}{\square}$ of $\frac{\square}{\square}$ = $\frac{\square}{\square}$

Names (pair) _____ Date _____

Remember

"Of" means **multiplying**: $\frac{1}{2}$ of $\frac{1}{3}$ is $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$. A part of a part is smaller than the part we started with.

3 ON YOUR OWN Draw and answer.

There is $\frac{1}{2}$ of a pizza on the plate. Mark eats $\frac{1}{3}$ of it. What part of the whole pizza did Mark eat?

Answer: $\frac{\square}{\square}$

Vegetables are planted on $\frac{3}{4}$ of the garden. Tomatoes take up $\frac{1}{2}$ of that part. What part of the garden is tomatoes?

Answer: $\frac{\square}{\square}$

Ana has $\frac{2}{3}$ of a bar of chocolate. She gives her brother $\frac{1}{4}$ of it. What part of the whole bar did her brother get?

Answer: $\frac{\square}{\square}$

4 IN PAIRS Complete the table. What rule works for unit fractions?

part of a part	$\frac{1}{2}$ of $\frac{1}{2}$	$\frac{1}{2}$ of $\frac{1}{4}$	$\frac{1}{2}$ of $\frac{1}{8}$	$\frac{1}{3}$ of $\frac{1}{3}$	$\frac{1}{3}$ of $\frac{1}{5}$	$\frac{1}{4}$ of $\frac{1}{6}$
result	$\frac{\square}{\square}$	$\frac{\square}{\square}$	$\frac{\square}{\square}$	$\frac{\square}{\square}$	$\frac{\square}{\square}$	$\frac{\square}{\square}$

The Fraction Rectangles app · otooly.com/fraction-rectangles

In **Multiply** mode set the first factor to $\frac{1}{2}$ and the second to $\frac{1}{3}$. The green part is $\frac{1}{2}$ of $\frac{1}{3}$. Use this to check task 3.

★ ON YOUR OWN **Exit card.** What is $\frac{1}{3}$ of $\frac{1}{4}$? Draw it.