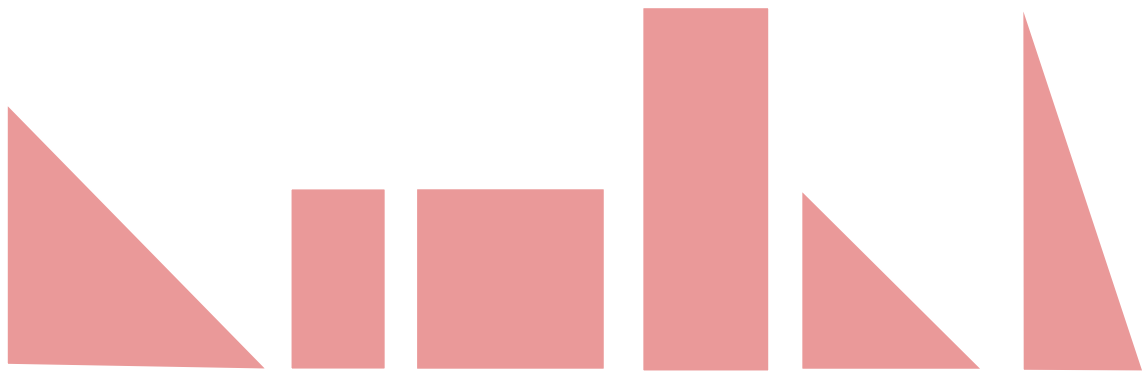
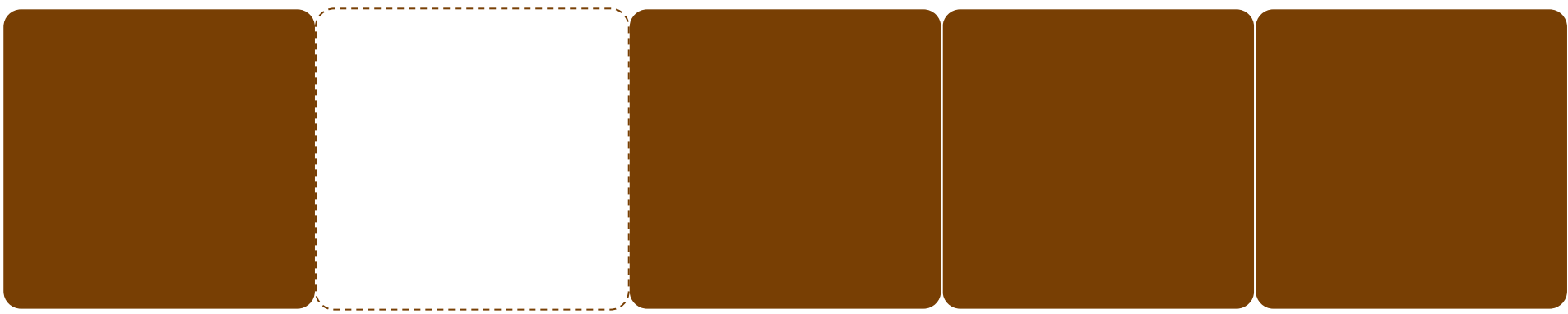
Building with Unit Fractions

Tile 1 whole square with shapes

Make a Prediction

How many of each piece will fill the space?
You can only use one shape at a time.

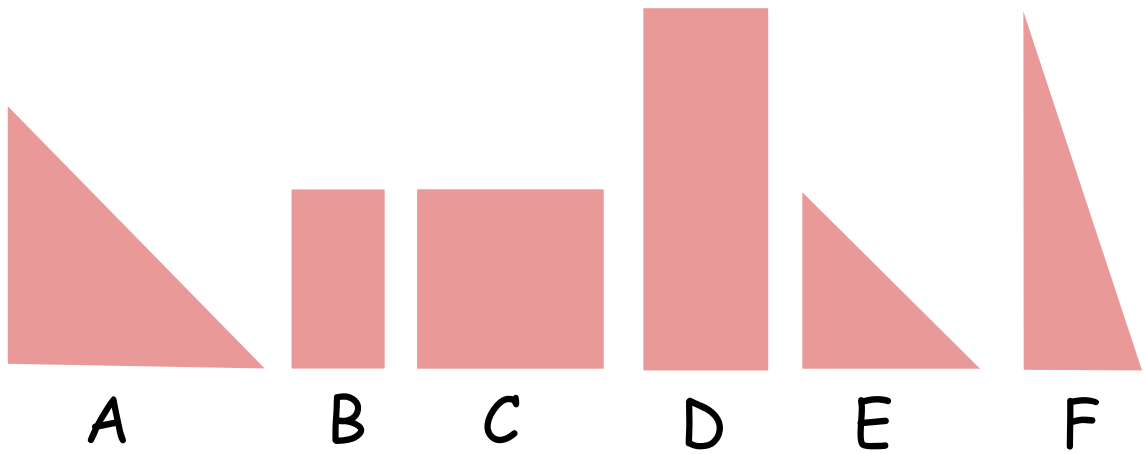




Build The "Whole"

Check your predictions with the tool.

Draw your solutions on your paper. Name and label the unit fractions.



Share Solutions

Let's model with these pieces.

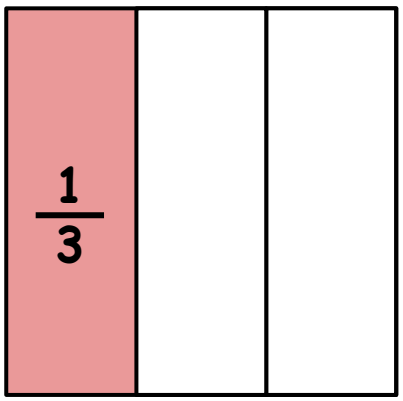
How does the number of pieces help you name the unit fraction?

2

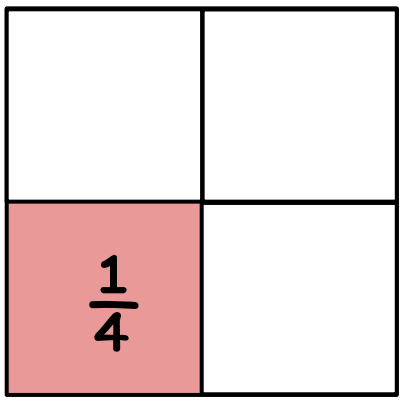
Summarize

(1 of 2)

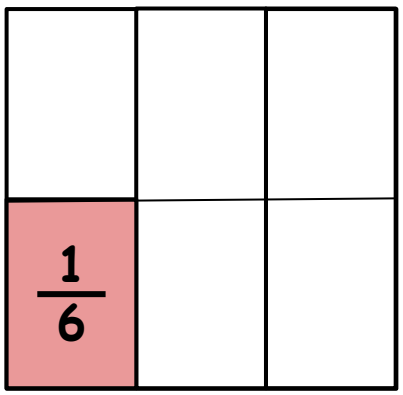
Unit fractions name the number of equal pieces to make 1-whole.



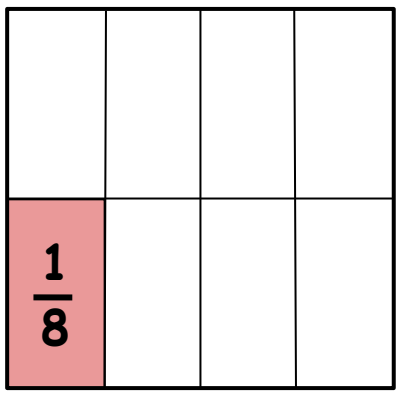
thirds



fourths



sixths

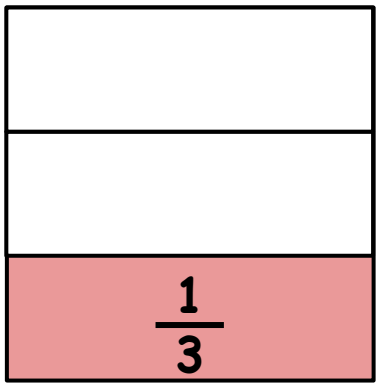


eighths

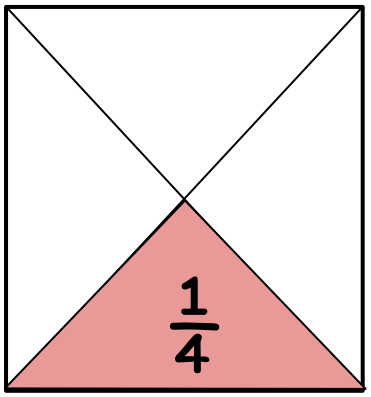
Summarize

(2 of 2)

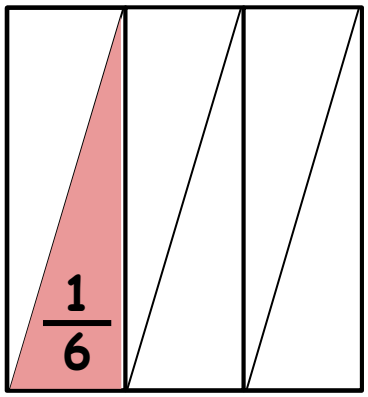
The shape may change, but the area of each equal share stays the same.



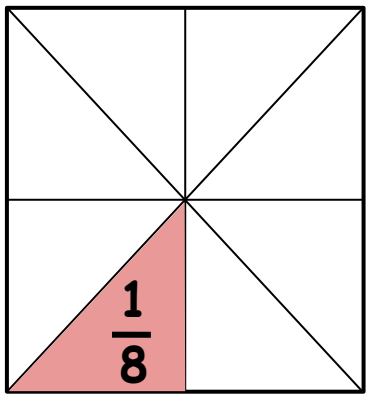
thirds



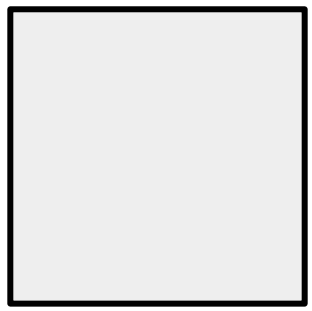
fourths



sixths



eighths

Fill in $\frac{3}{4}$ of the 

Use only one shape at a time.

Can you find more than 1 way to do this?

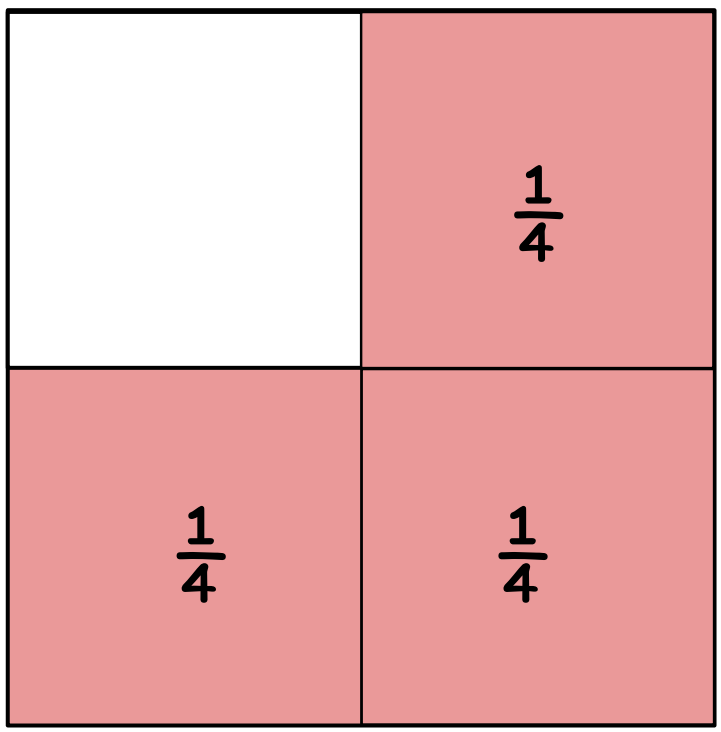
Draw the solutions on your paper.

Share Solutions

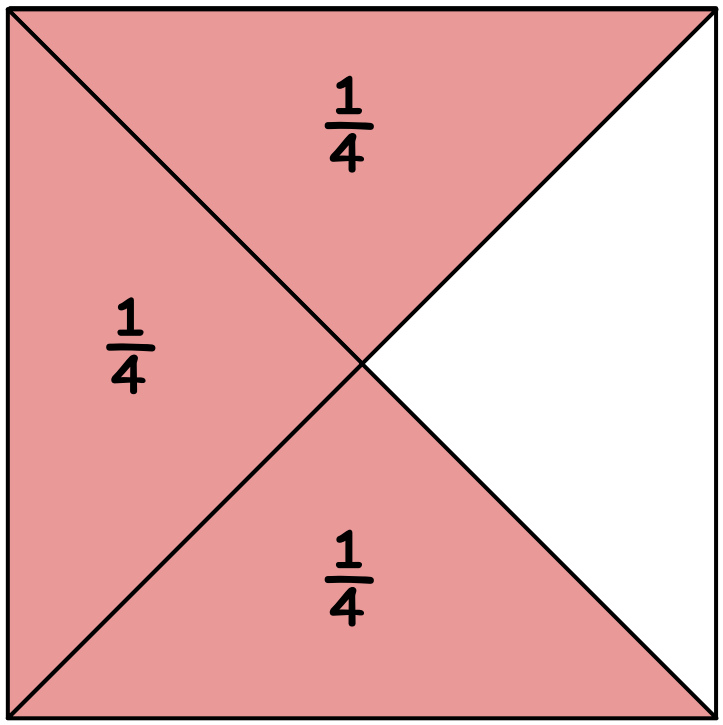
Let's model how to cover $\frac{3}{4}$ of the whole square.

Summarize

Three 1-fourths make $\frac{3}{4}$.



$\frac{3}{4}$



$\frac{3}{4}$

How Much is Covered?

What fraction of the whole square is covered?