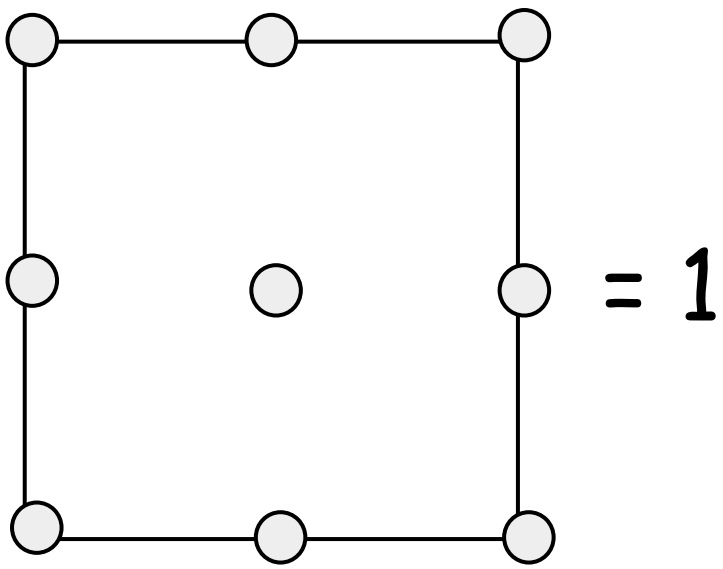
Building Non-Unit Fractions

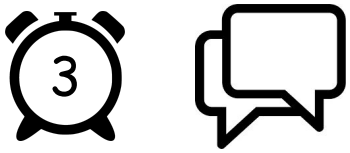
Use unit fractions to build fractions ≤ 1 whole

Scavenger Hunt

Use the shape-builder tool to fill the square using different shapes:

- Squares
- Triangles
- Other?



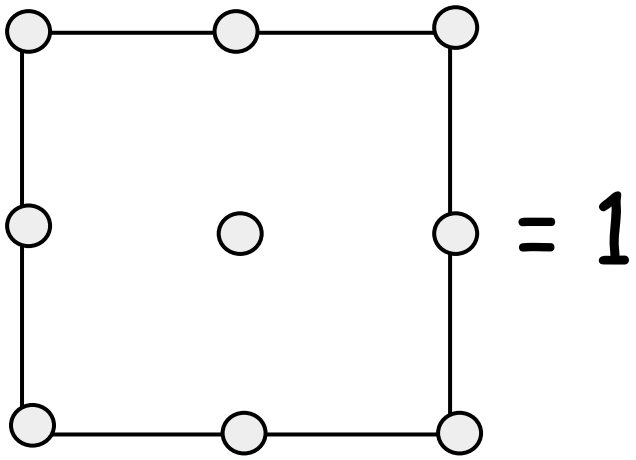


What Does It Do?

Let's see what you discovered!

Cover the Whole

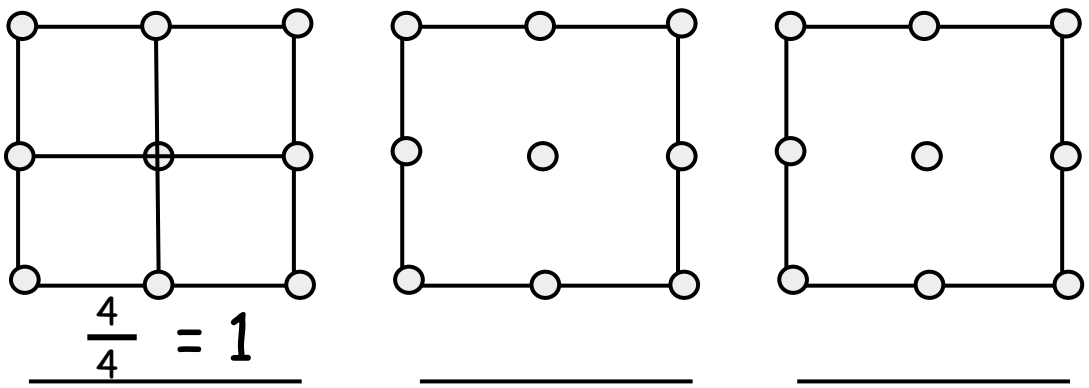
If the large square is 1 whole,
cover the square using fourths.



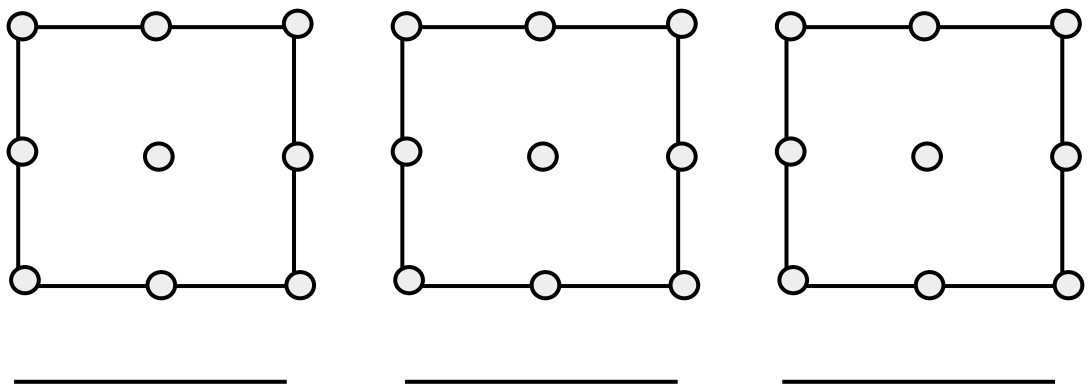
5

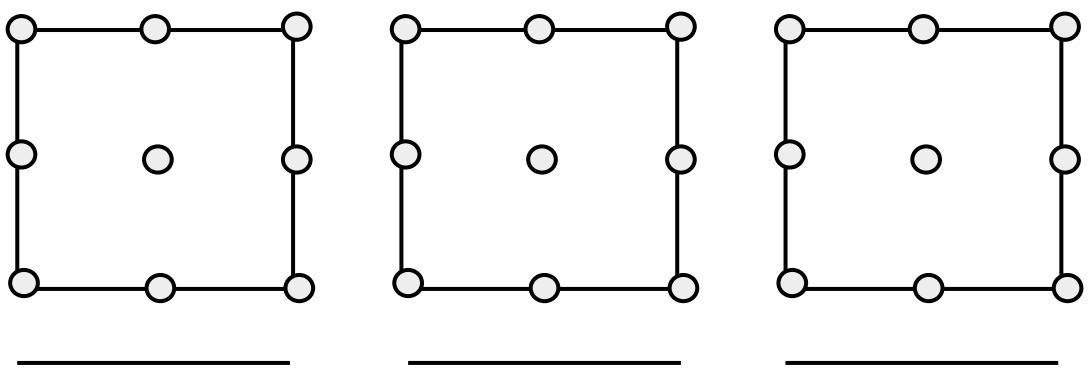
Share Different Solutions

Let's model building eighths.
Record your work on your paper.



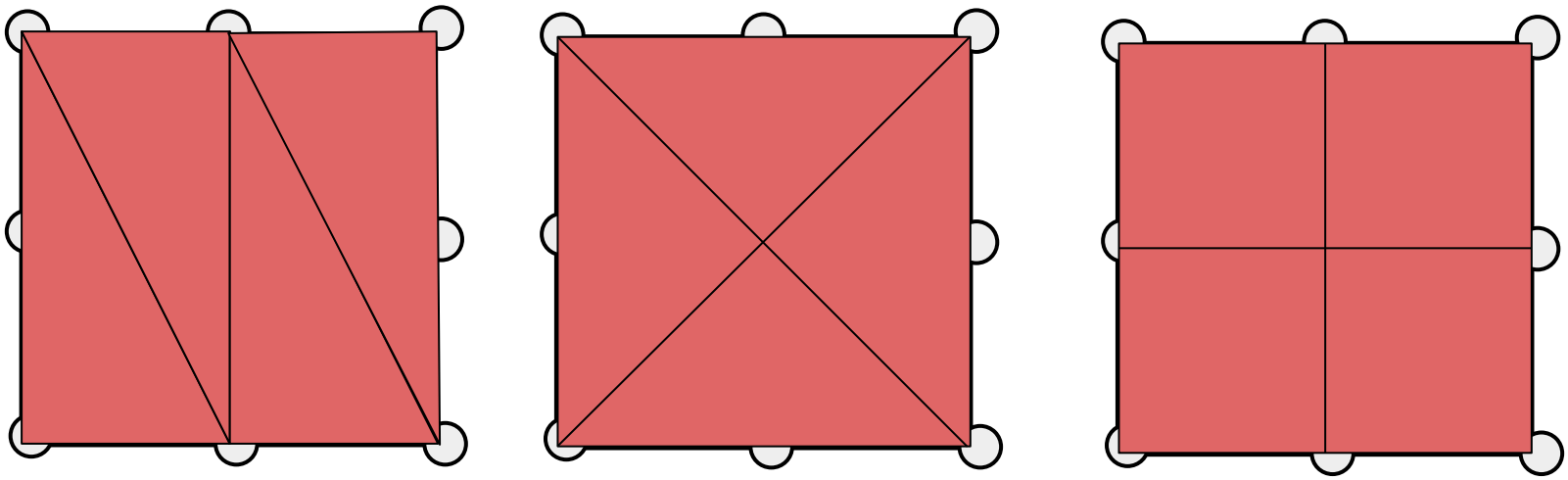
$\frac{4}{4} = 1$





Summarize

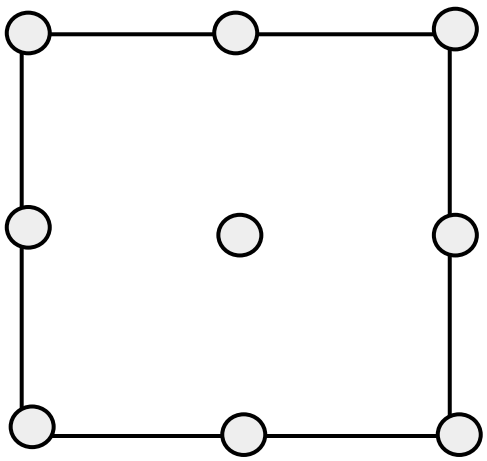
Each piece is $\frac{1}{4}$ of the whole because 4-fourths make 1 whole.



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

Cover Part of the Whole

If the large square is 1 whole, cover 3-fourths ($\frac{3}{4}$) of the square.

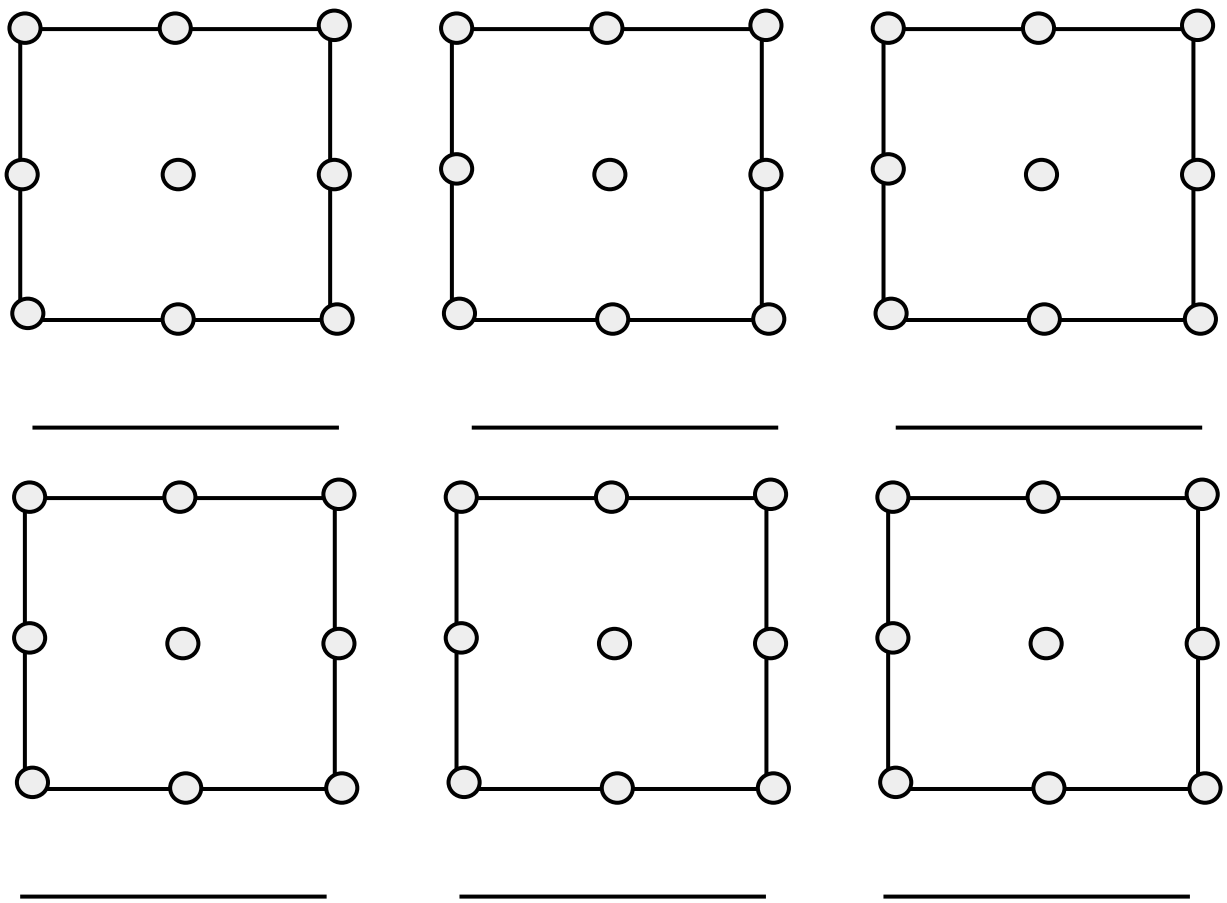


= 1

5

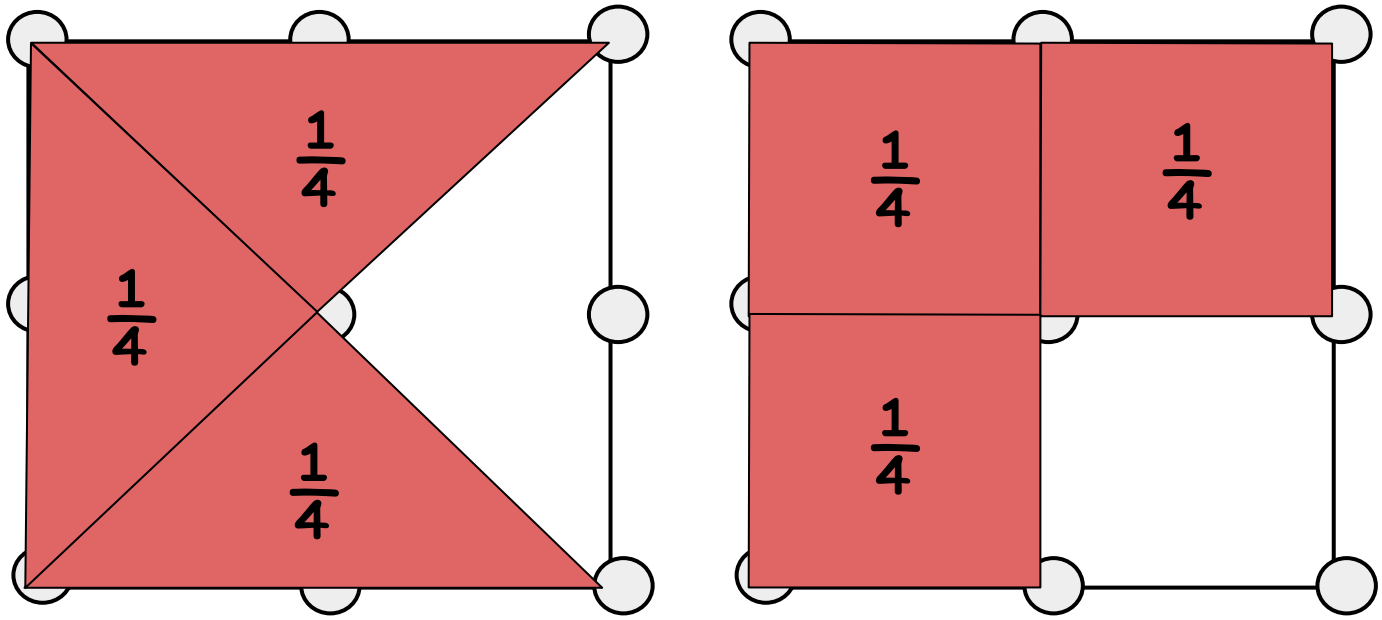
Share Different Solutions

Let's model ways to cover 3-fourths ($\frac{3}{4}$) of the square.
Record your work on your paper

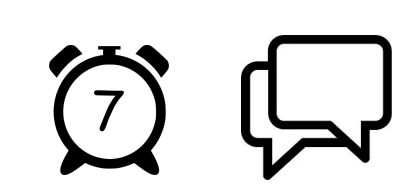


Summarize

3-fourths is three $\frac{1}{4}$ pieces.



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



What do you think?

If the large square = 1,
how much is covered by these shapes?