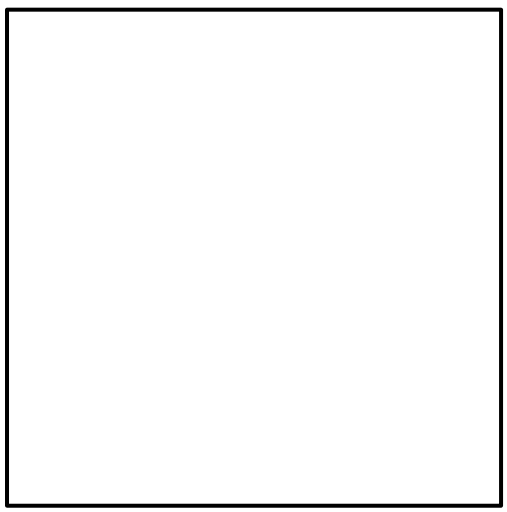
Building with Unit Fractions

Tile 1 whole square with shapes

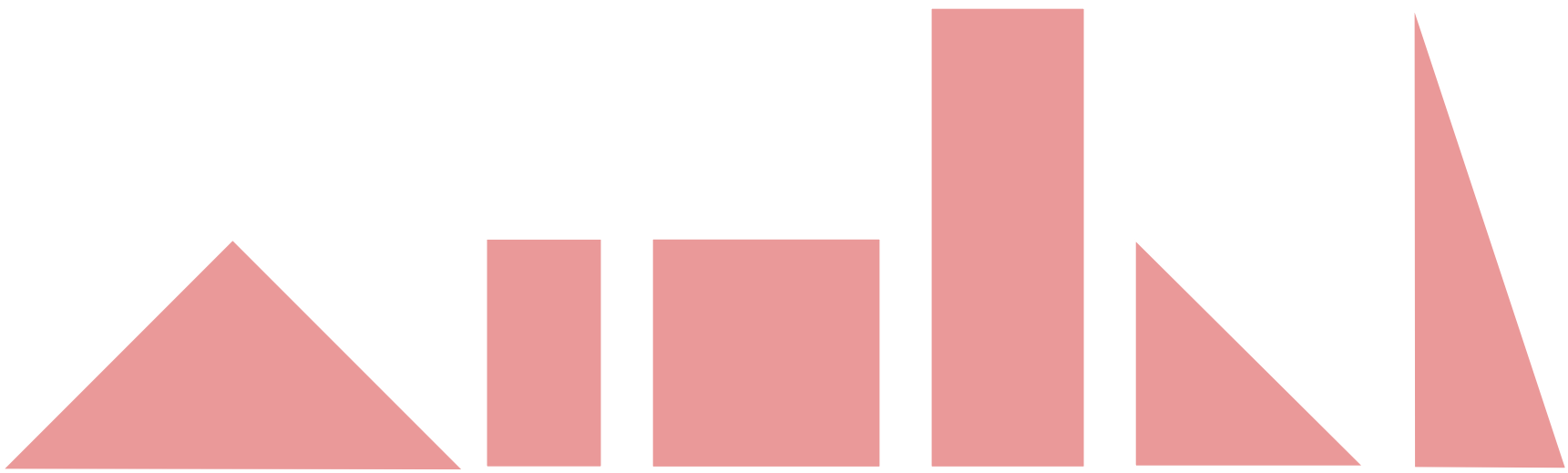
Fill The "Whole"

What fraction of the square does each shape represent?

Use the tiling tool and record your solutions on your paper.



= 1 whole



Share Solutions

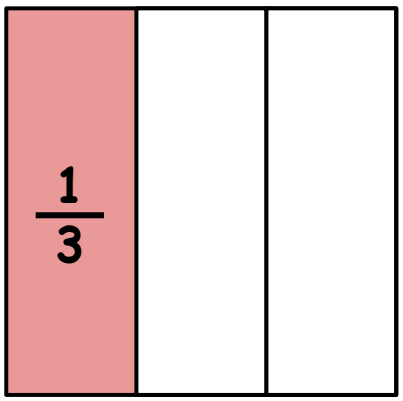
Let's model how to name the fraction of the square each shape represents.

2

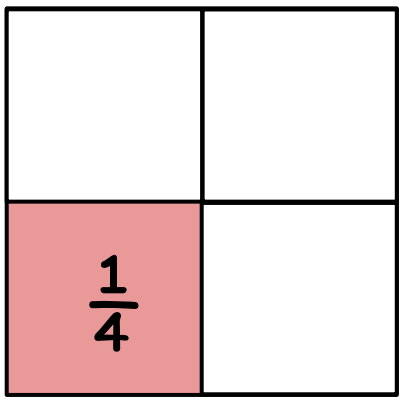
Summarize

(1 of 2)

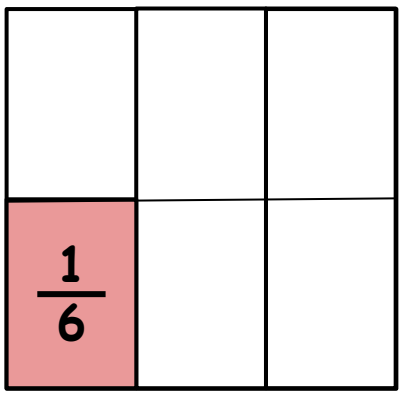
Unit fractions name how many of that unit equal 1-whole.



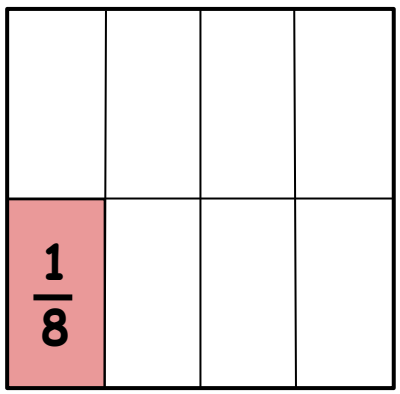
thirds



fourths



sixths

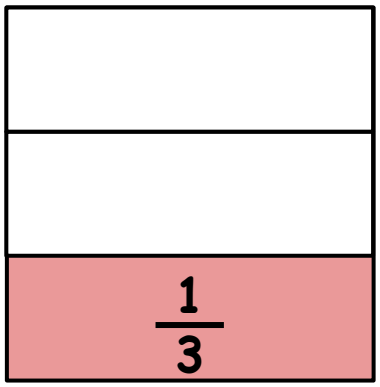


eighths

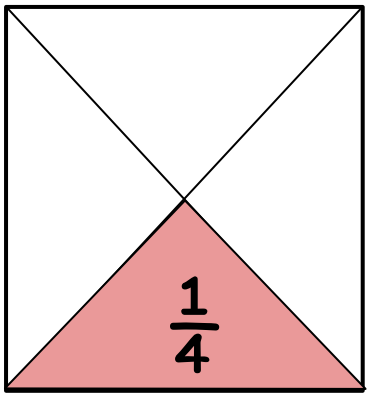
Summarize

(2 of 2)

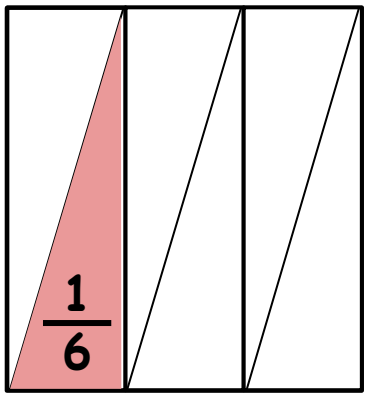
The shape may change, but the area of each equal share stays the same.



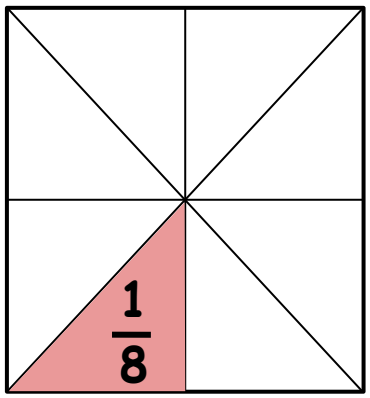
thirds



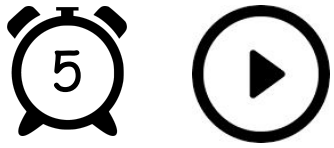
fourths



sixths



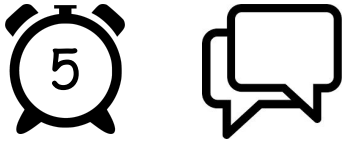
eighths



Cover 3-Fourths $\frac{3}{4}$

Use the tiling tool to fill $\frac{3}{4}$ of each square with different shapes.

Draw the solutions on your paper.



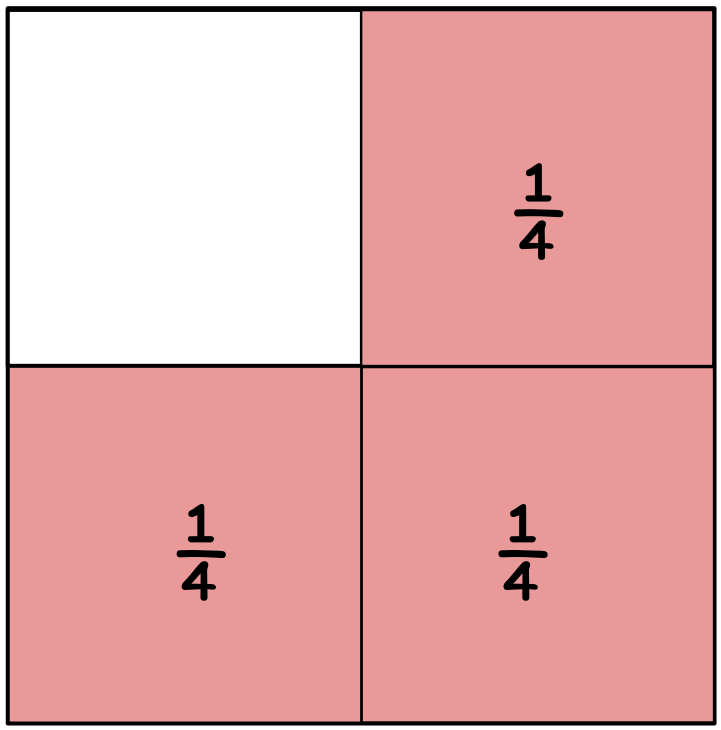
Share Solutions

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

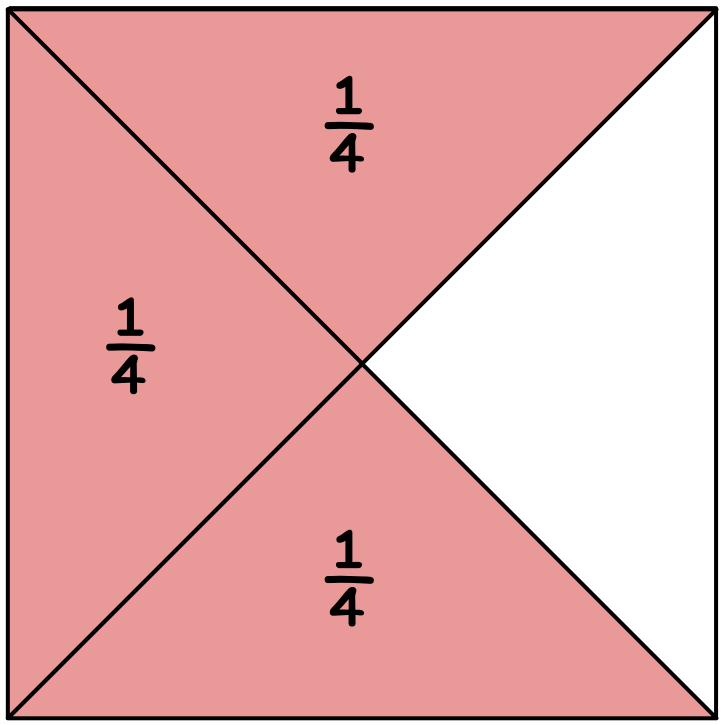
Summarize

(1 of 2)

Three 1-fourth unit fractions make $\frac{3}{4}$ (3-fourths)



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

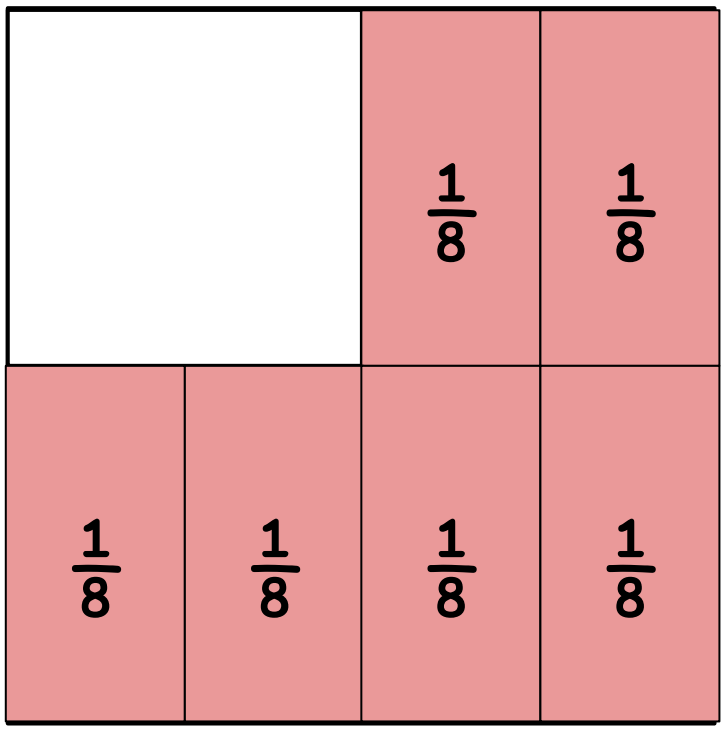


$$\frac{3}{4} = \frac{1}{4}+\frac{1}{4}+\frac{1}{4}$$

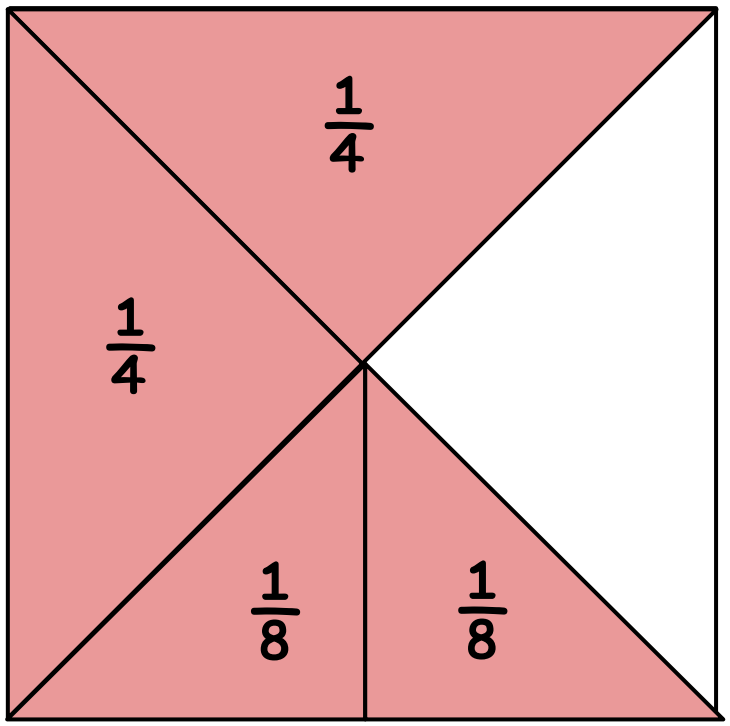
Summarize

(2 of 2)

3-fourths($\frac{3}{4}$) can also be made using different units.



$$\frac{3}{4} = \frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}$$



$$\frac{3}{4} = \frac{1}{4}+\frac{1}{4}+\frac{1}{8}+\frac{1}{8}$$

How Much is Covered?

What fraction of the whole square is covered?