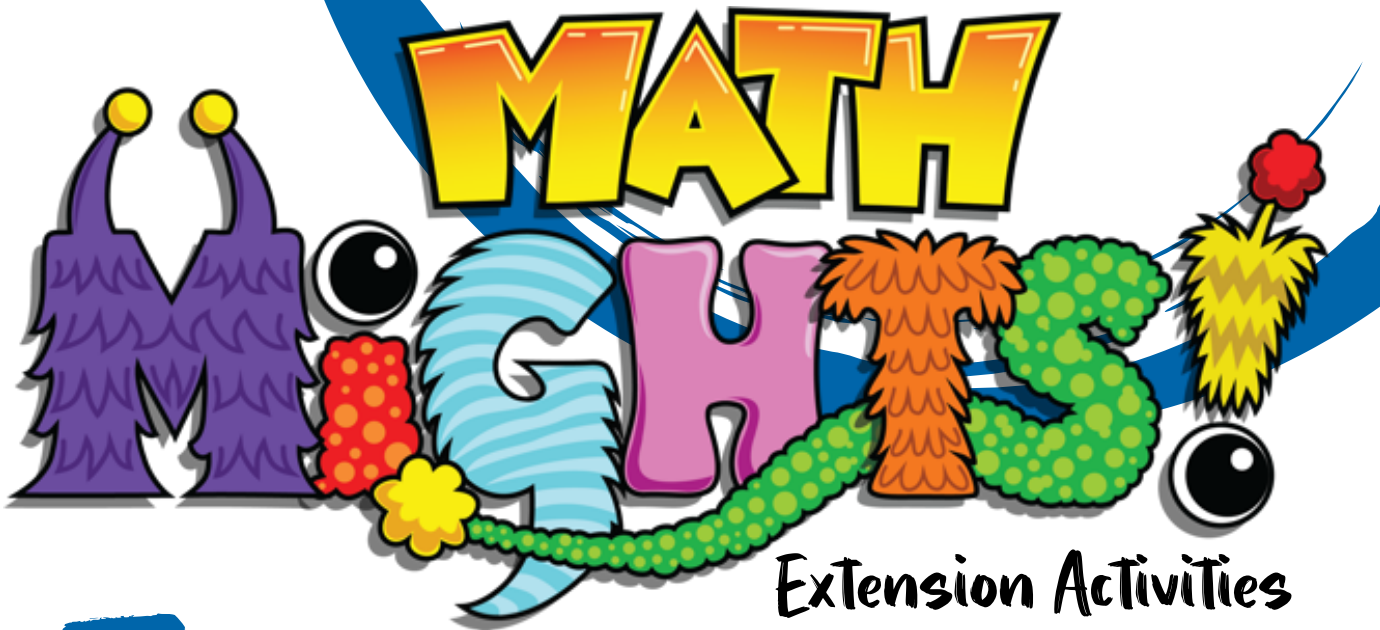


3

# Build Fraction From Unit Fractions

Episode #310



Extension Activities

For more resources, visit:

 **SIS 4 TEACHERS**  
Strategic Intervention Solutions

[mathmights.org](http://mathmights.org)



# Secret Fractions

## Materials:

- SECRET fraction cards cut out
- UNIT fraction cards cut out
- game board for each player

## Directions:

1. Place the SECRET fraction cards face down in a pile. Place the UNIT fraction cards face down in a pile.
2. Each player draws 1 SECRET fraction card. This will be the fraction you will try to build with the UNIT fraction cards.
3. On your turn draw a UNIT fraction card or trade in your SECRET fraction card for a new one.
4. When you have enough unit fractions to make your secret fraction fill in your secret fraction on the game board.

The diagram illustrates the concept of equivalent fractions. On the left, a dashed box labeled "Secret Fraction" contains the fraction  $\frac{3}{8}$ . To its right is an equals sign. Further right, three dashed boxes are arranged horizontally, each containing a unit fraction  $\frac{1}{8}$ . This visualizes that three  $\frac{1}{8}$  fractions are equivalent to one  $\frac{3}{8}$  fraction.

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$$\frac{1}{2}$$

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Secret Fraction

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Secret Fraction

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Secret Fraction

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Secret Fraction

$$\frac{2}{4}$$

Secret Fraction

$$\frac{3}{4}$$

Secret Fraction

$$\frac{4}{4}$$

Secret Fraction

$$\frac{2}{6}$$

Secret Fraction

$$\frac{4}{6}$$

Secret Fraction

$$\frac{5}{6}$$

Secret Fraction

$$\frac{2}{8}$$

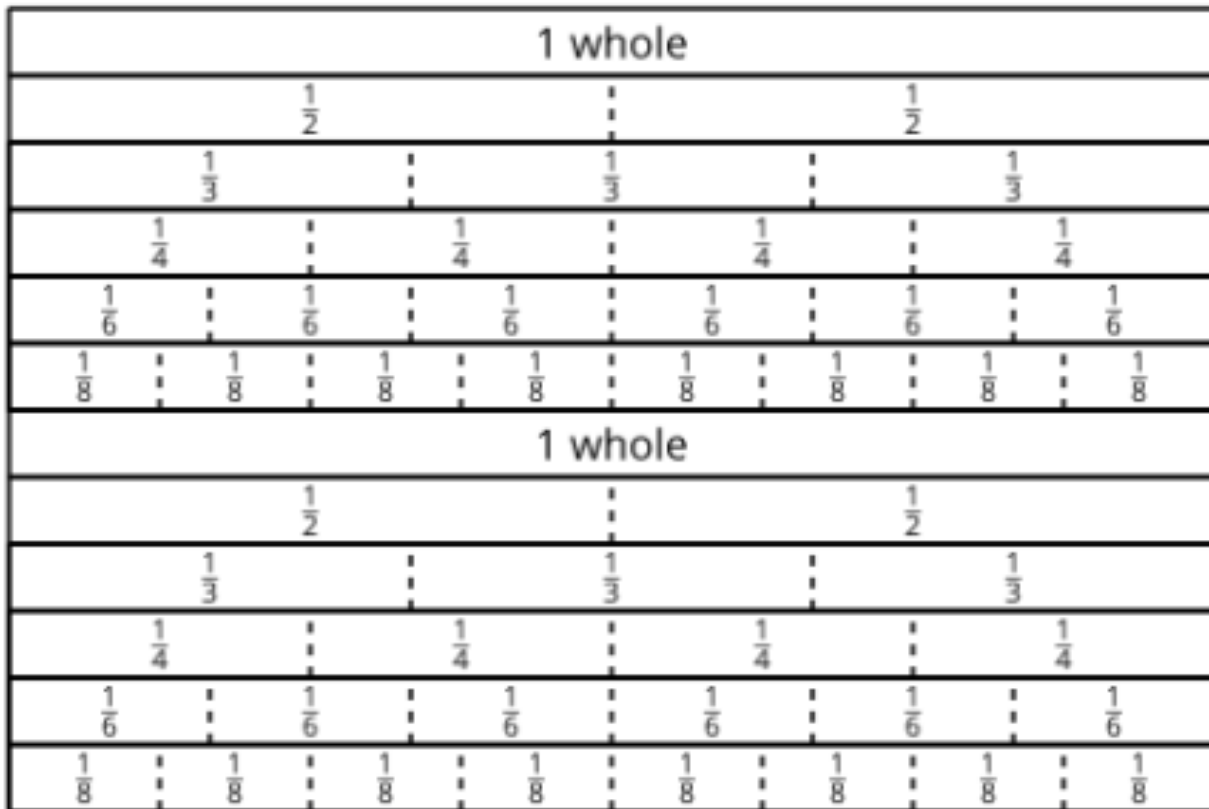
Secret Fraction

$$\frac{3}{8}$$

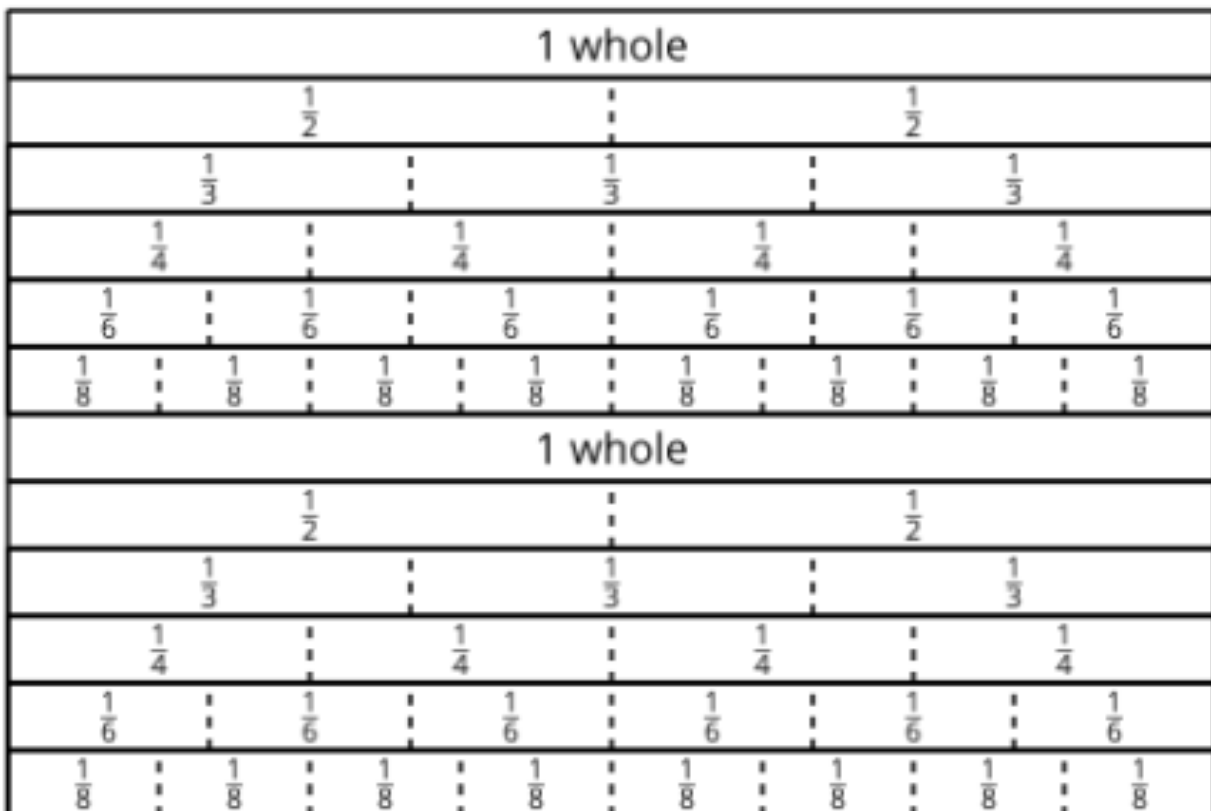
Secret Fraction

$$\frac{5}{8}$$

### Player 1 Gameboard

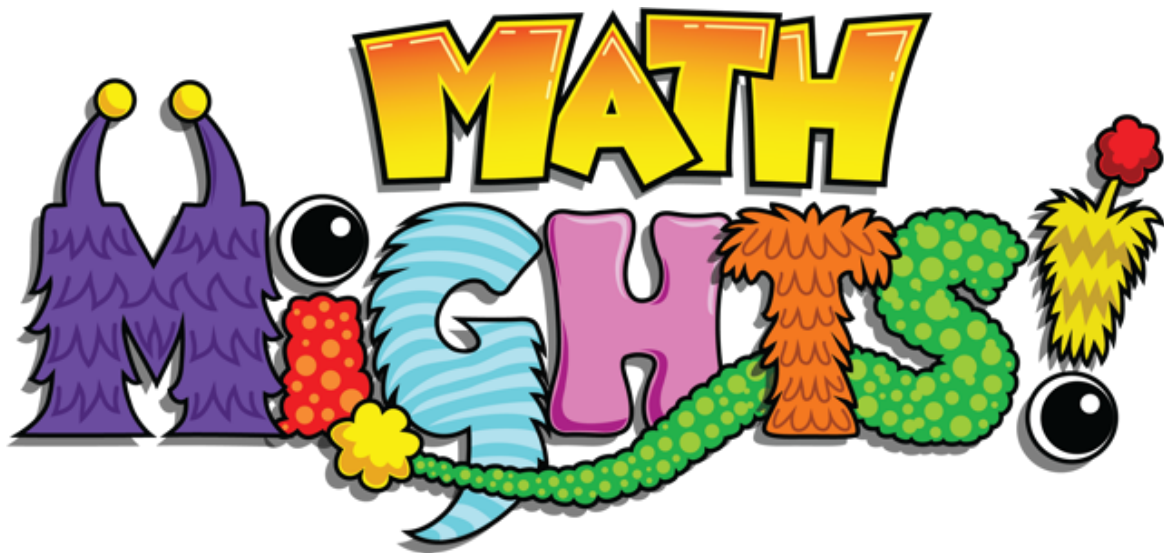


### Player 2 Gameboard



For more resources, visit:

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