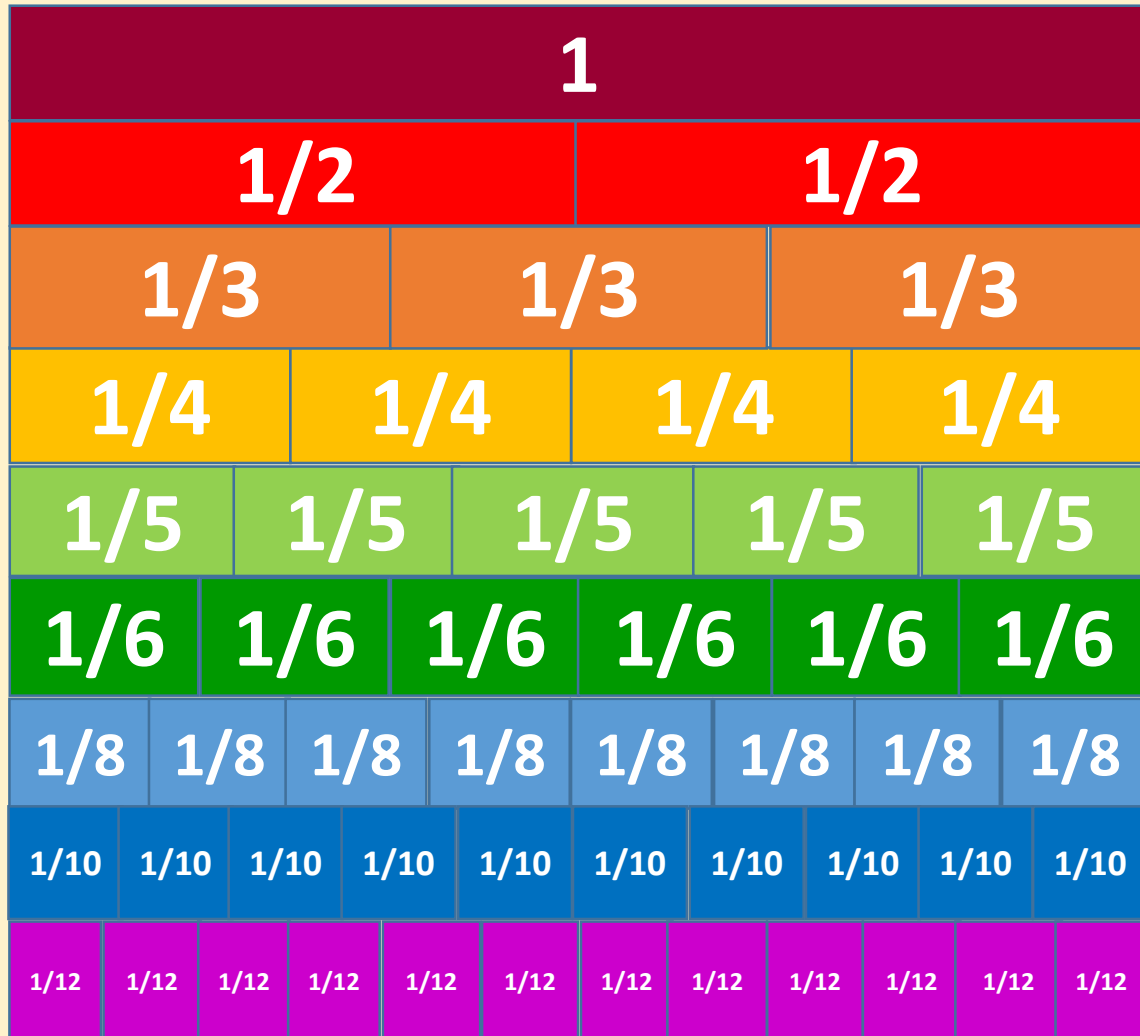


MAFS.5.NF.1.1

Use Fraction Strips to Add and Subtract Fractions

- Use visual fraction models such as area models, bar diagrams, tape diagrams, linear models, paper strips, or circles to solve addition and subtraction of fractions with like and unlike denominators.
- Add and subtract fractions with like and unlike denominators.

Adding Fractions with Fraction Strips

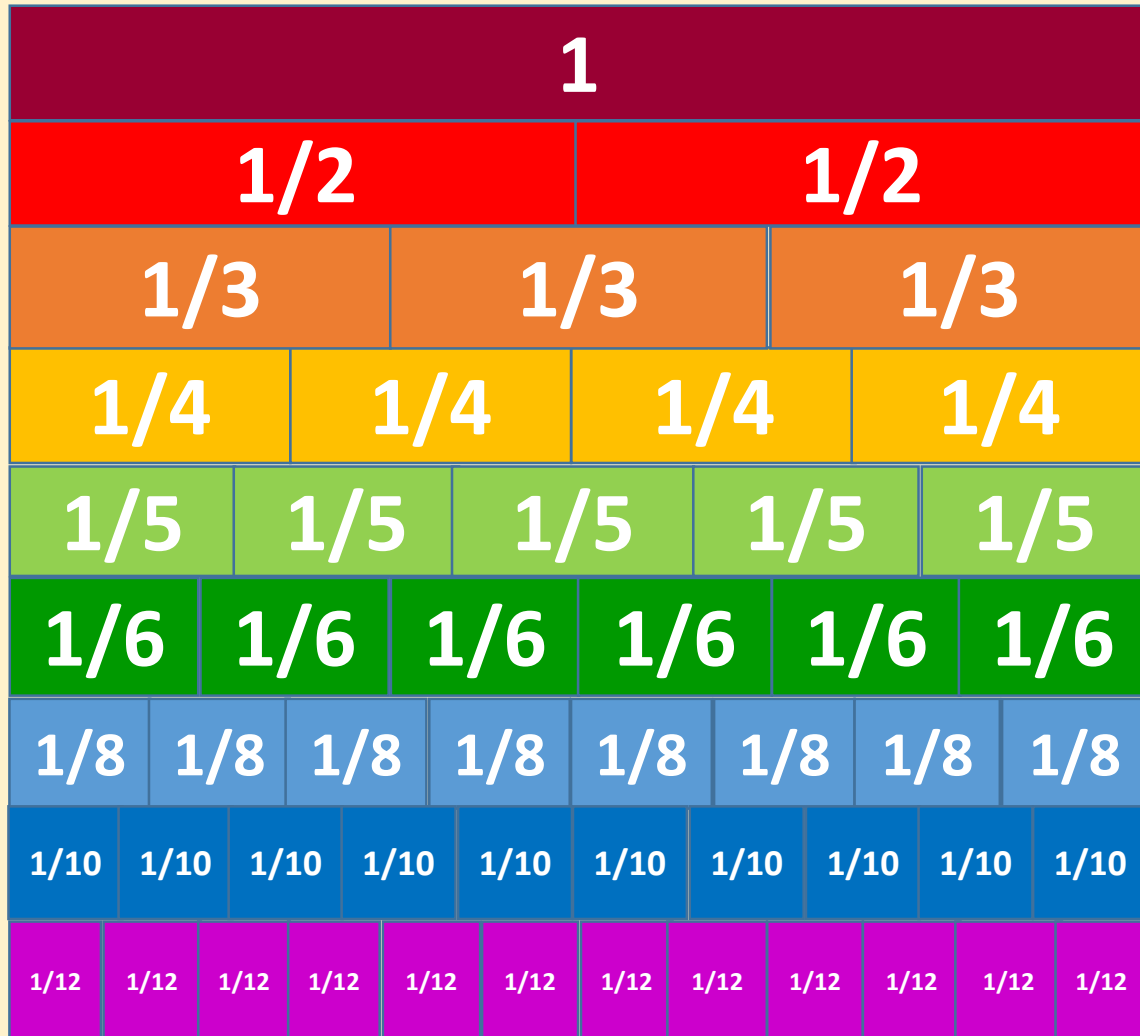


Review:

The denominator (the bottom number) indicates how many parts into which the whole (1) is divided.

The numerator (the top number) indicates how many of those parts you have.

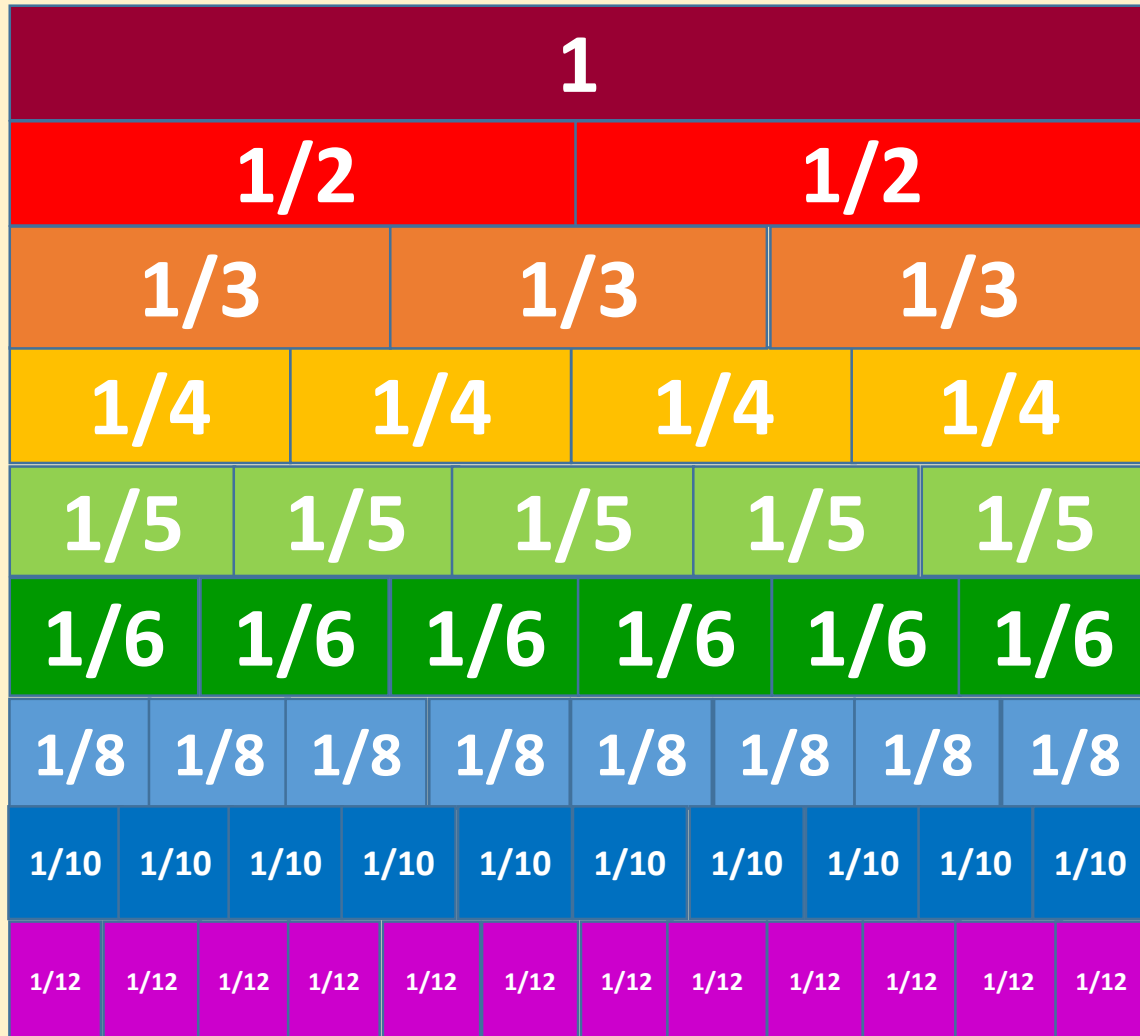
Adding Fractions with Fraction Strips



Review:

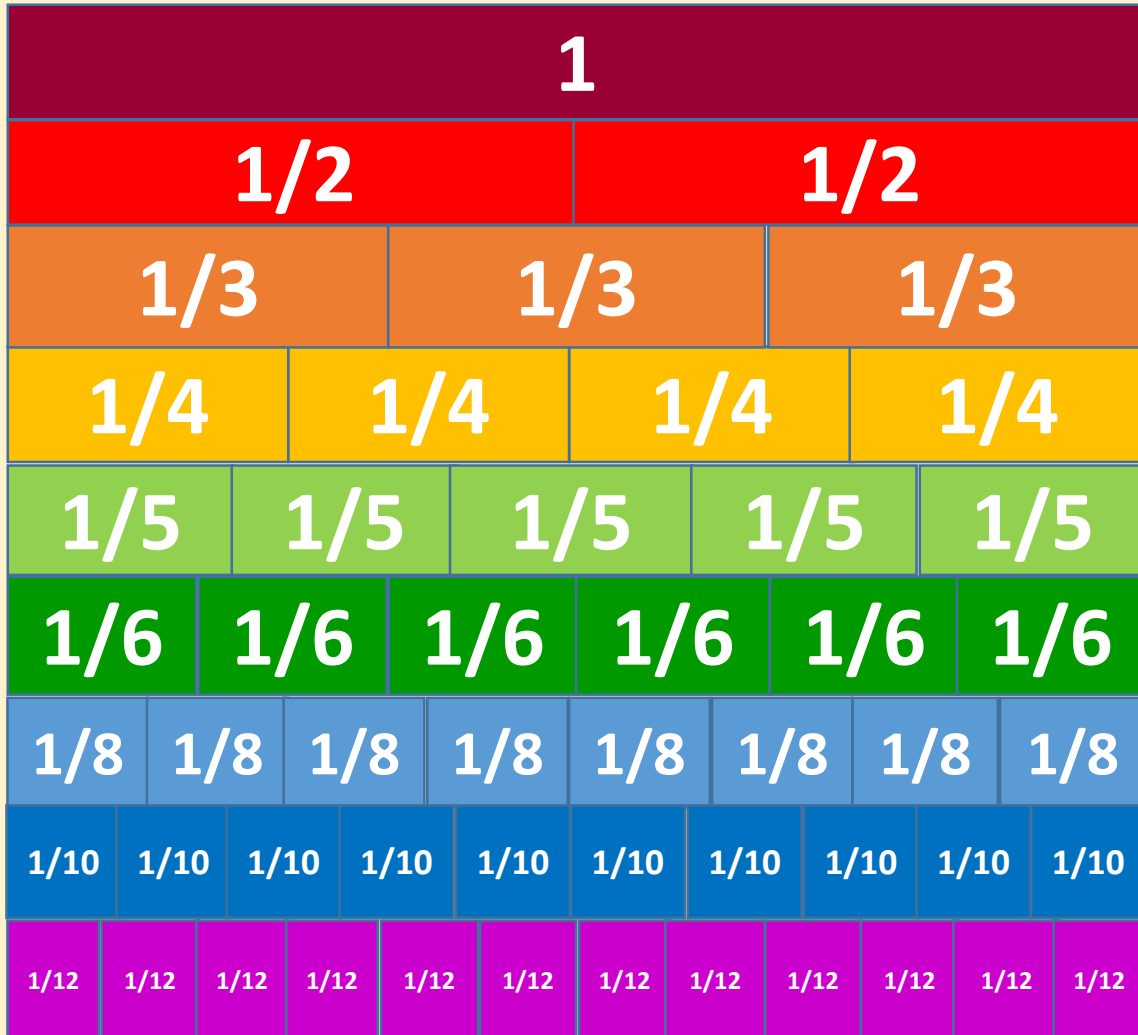
Fractions must have the same denominator before we can add or subtract them.

Adding Fractions with Fraction Strips



Let's look at how to use fraction strips to add and subtract fractions with unlike denominators.

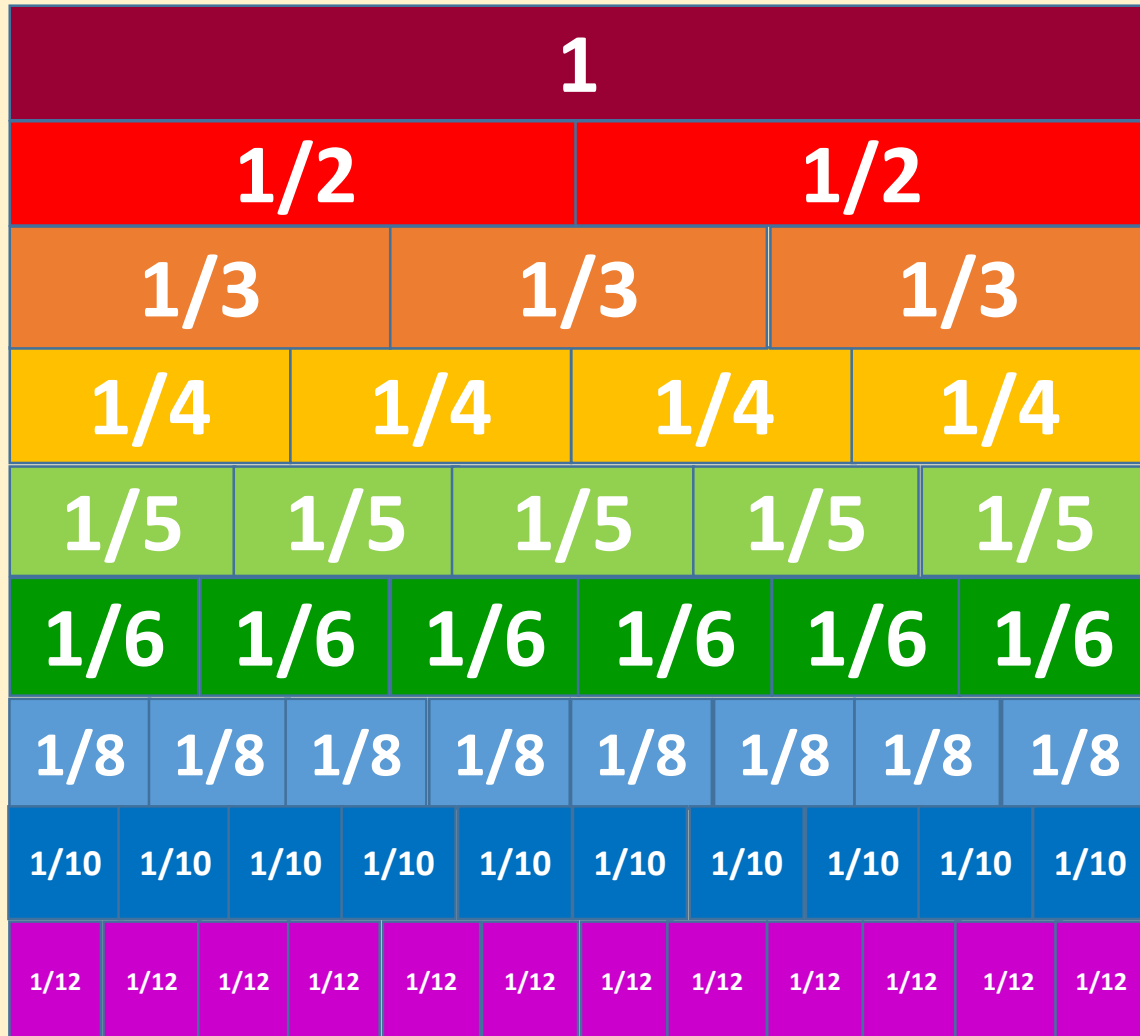
Adding Fractions with Fraction Strips



$$\frac{1}{2} + \frac{1}{4}$$



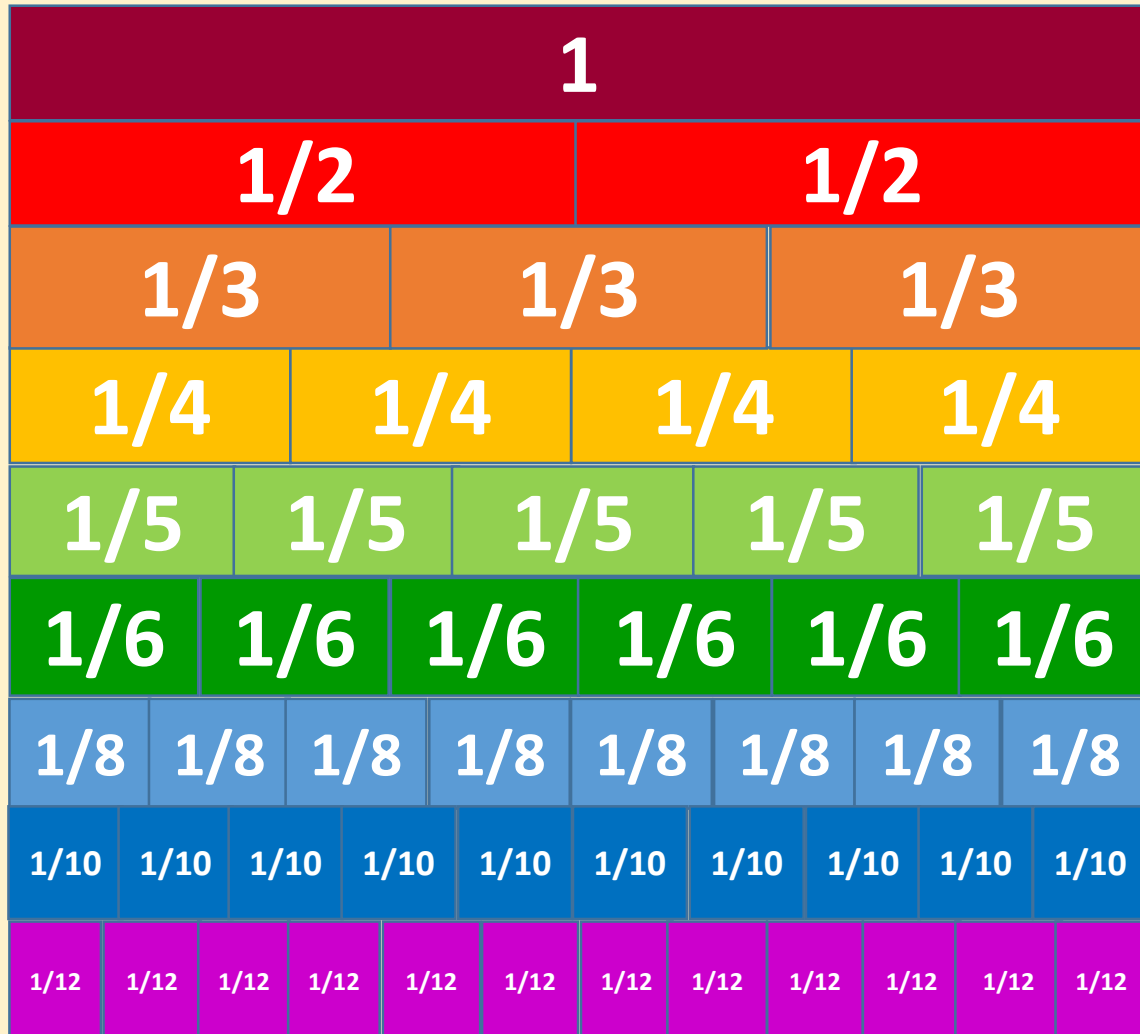
Adding Fractions with Fraction Strips



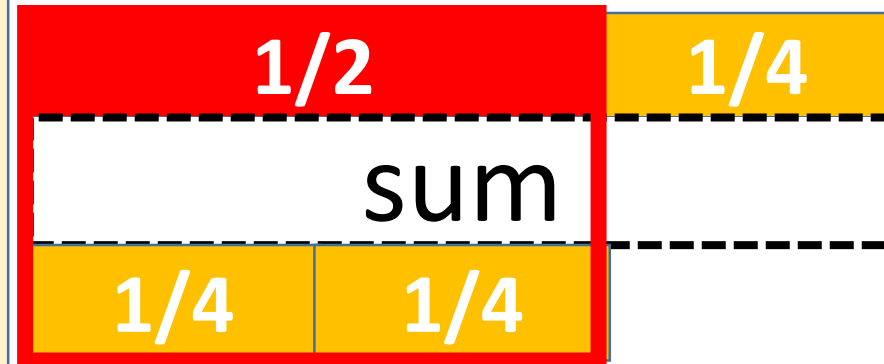
$$\frac{1}{2} + \frac{1}{4}$$



Adding Fractions with Fraction Strips

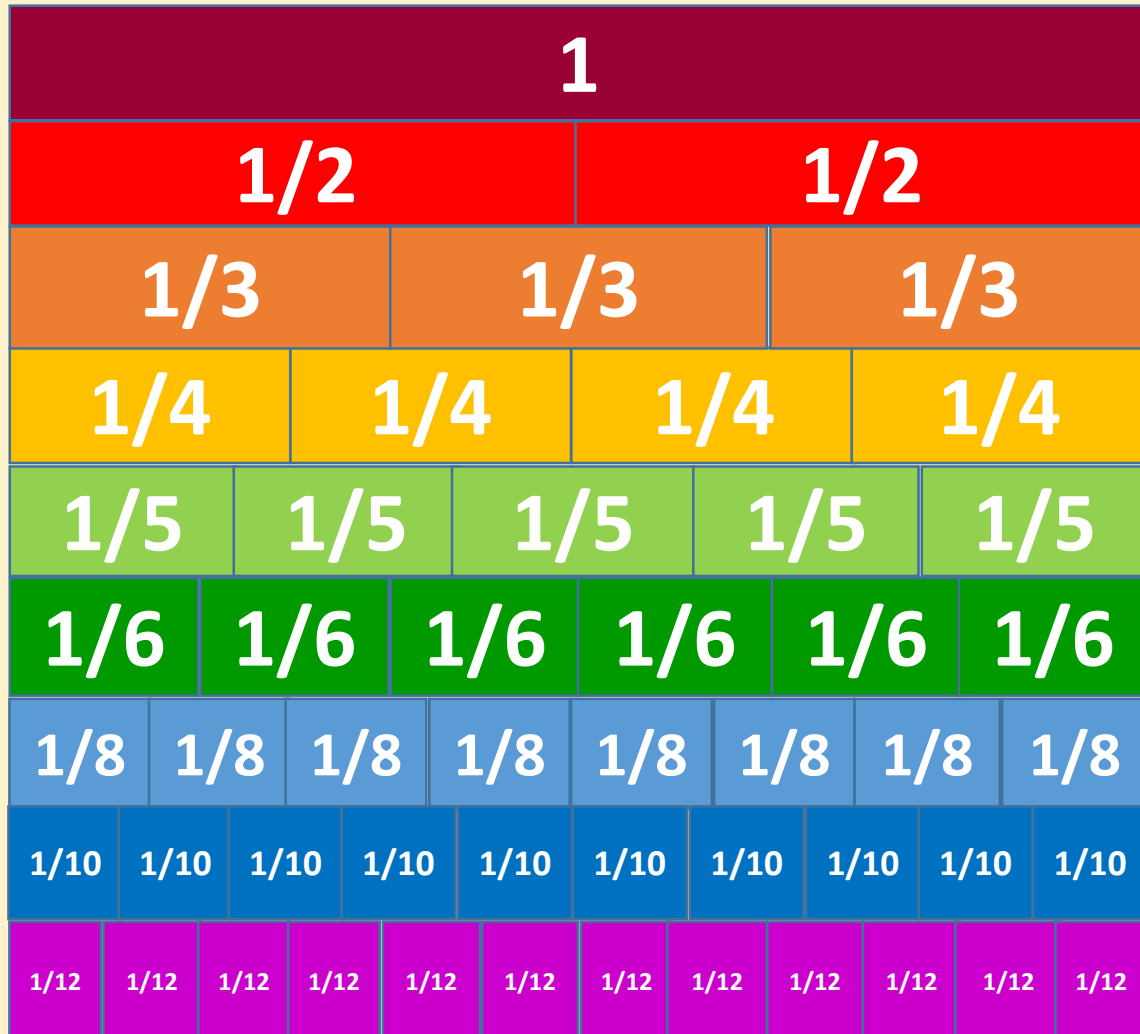


$$\frac{1}{2} + \frac{1}{4}$$

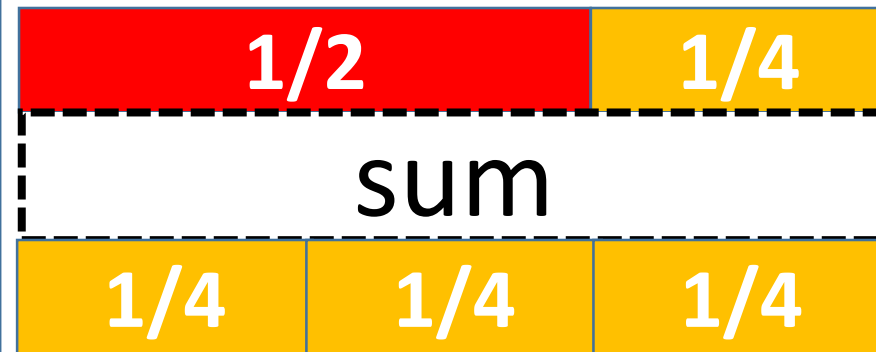


$$\frac{1}{2} = \frac{2}{4}$$

Adding Fractions with Fraction Strips



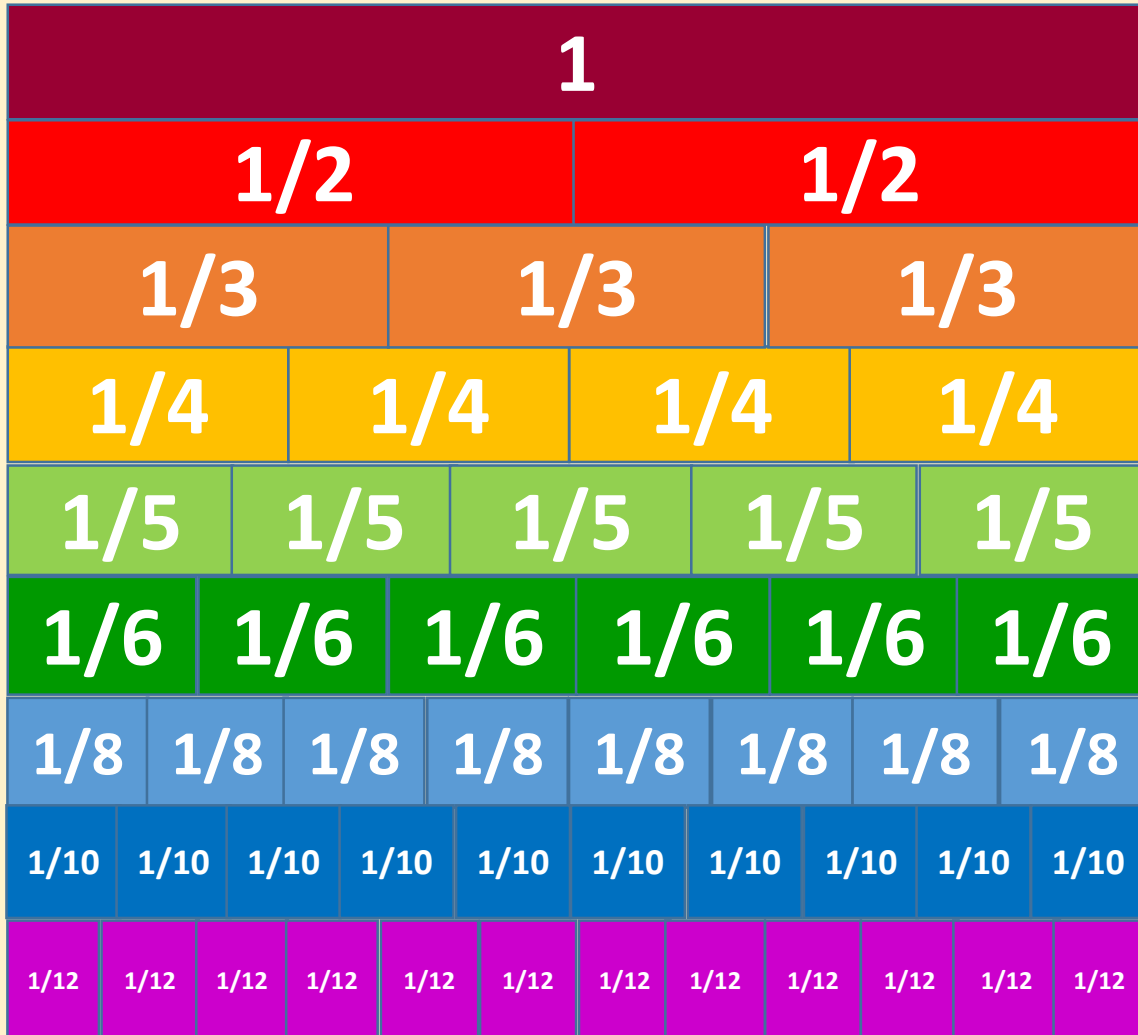
$$\frac{1}{2} + \frac{1}{4}$$



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

$$\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$$

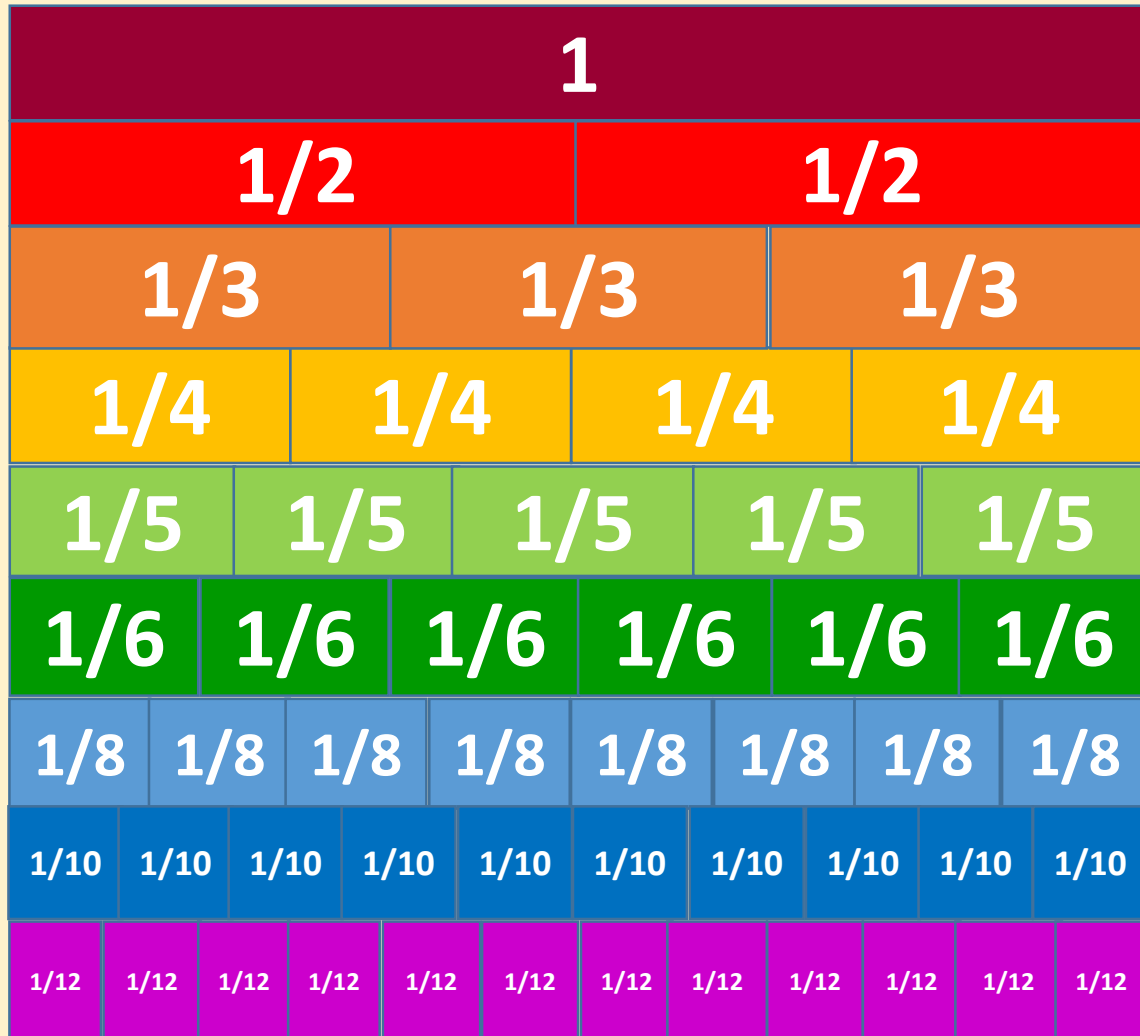
Adding Fractions with Fraction Strips



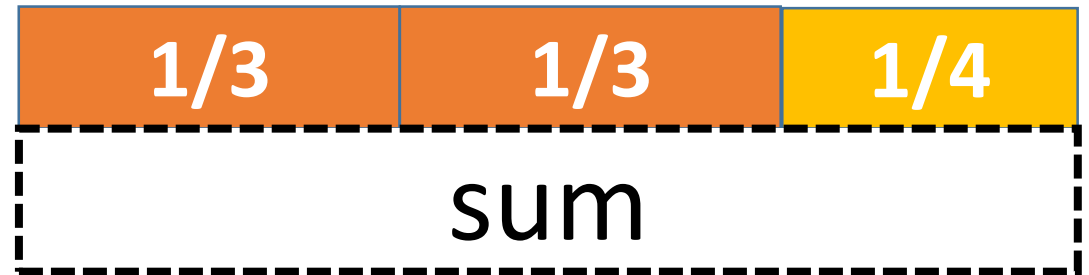
$$2/3 + 1/4$$



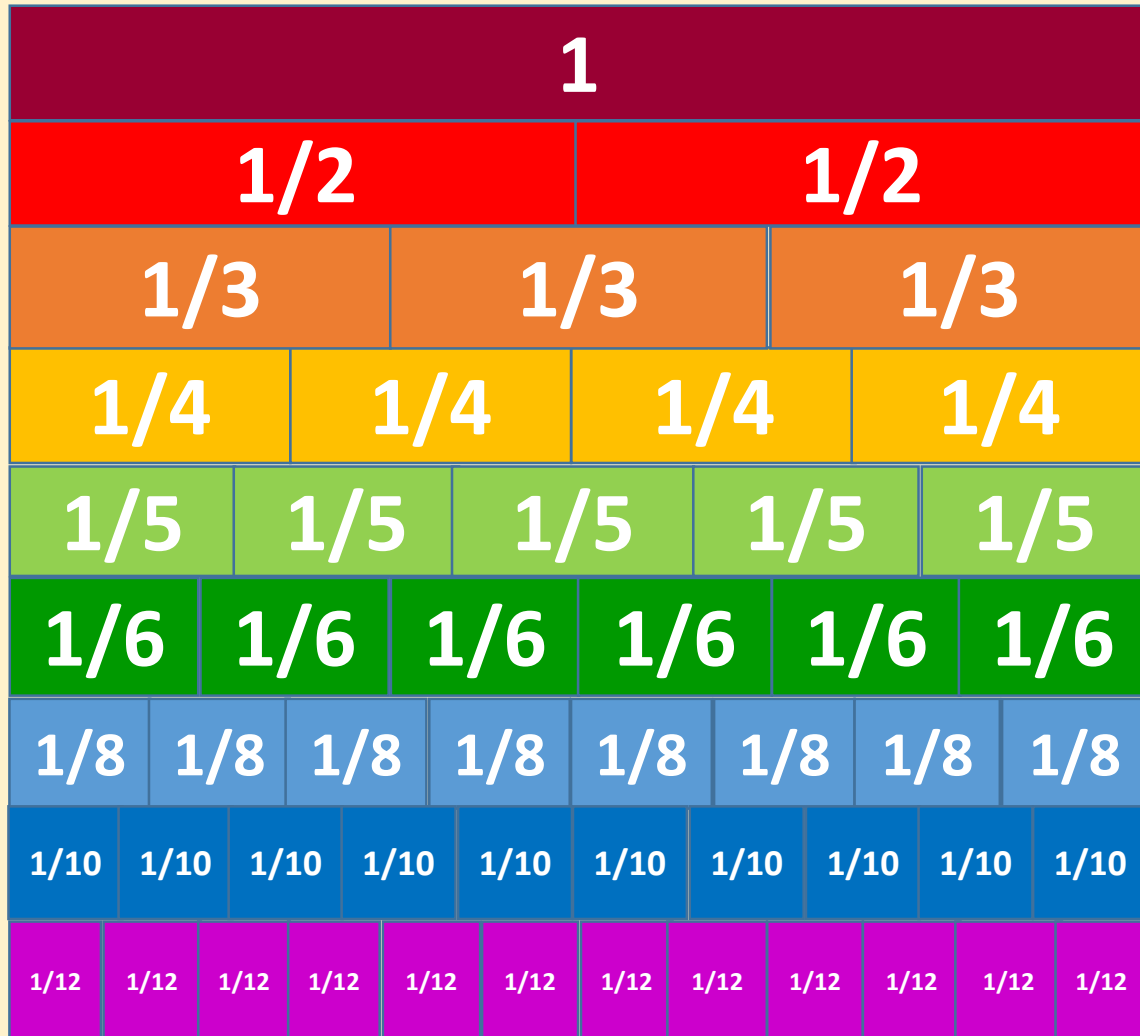
Adding Fractions with Fraction Strips



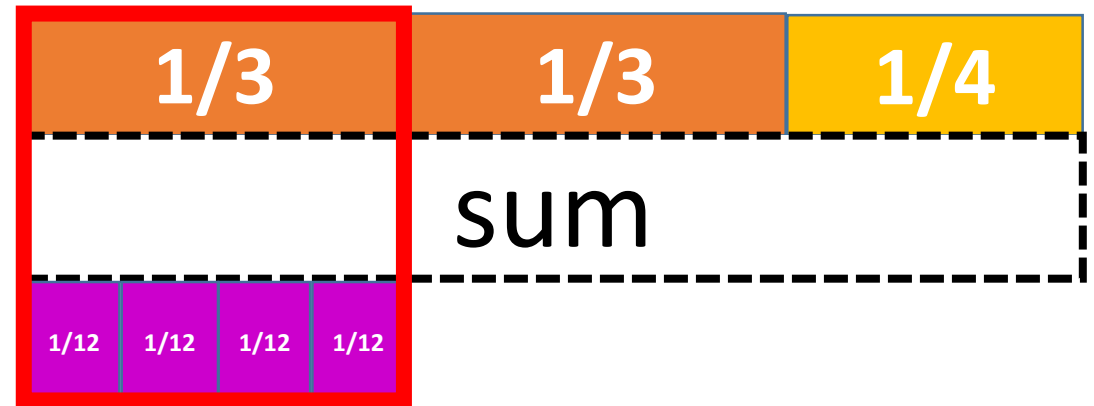
$$2/3 + 1/4$$



Adding Fractions with Fraction Strips

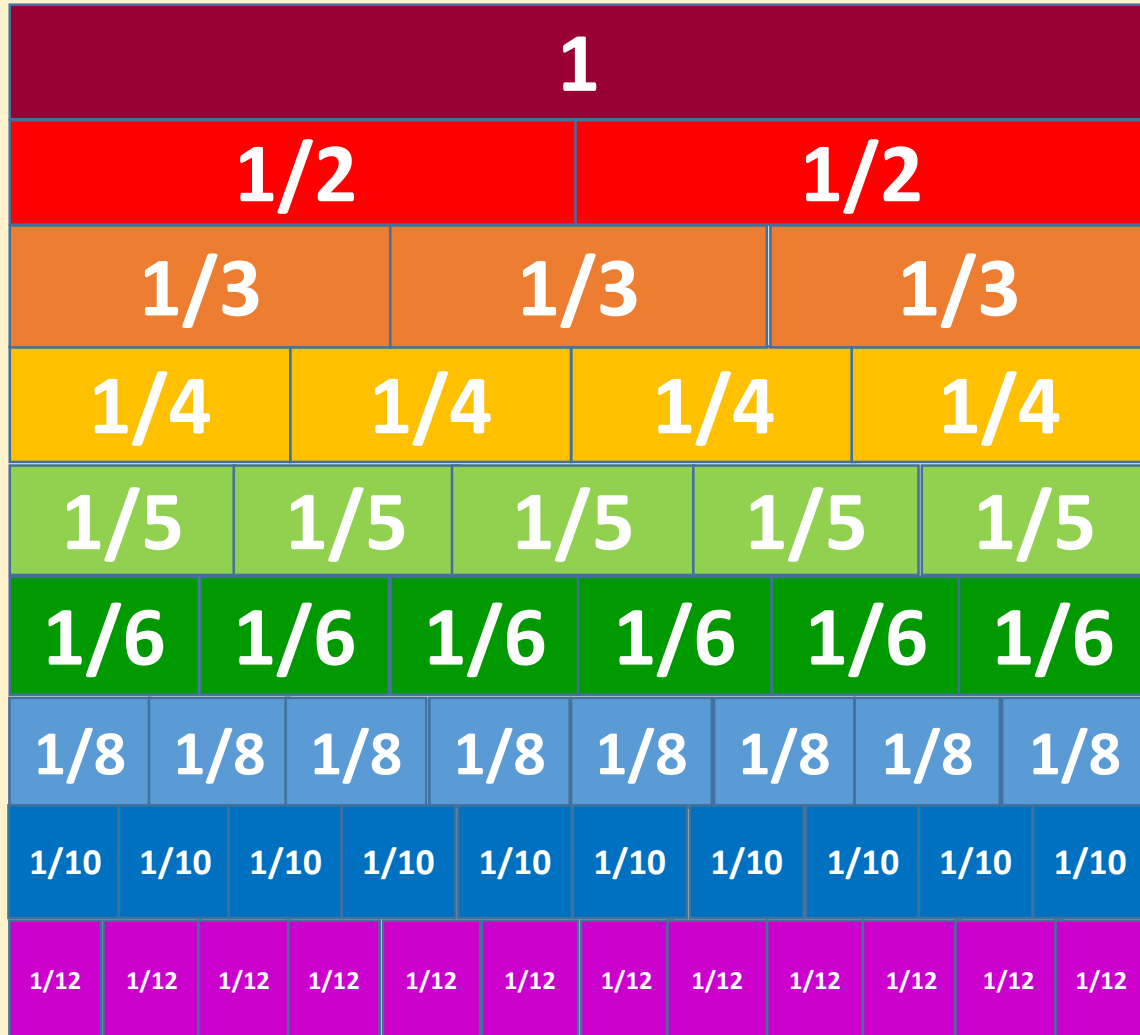


$$2/3 + 1/4$$

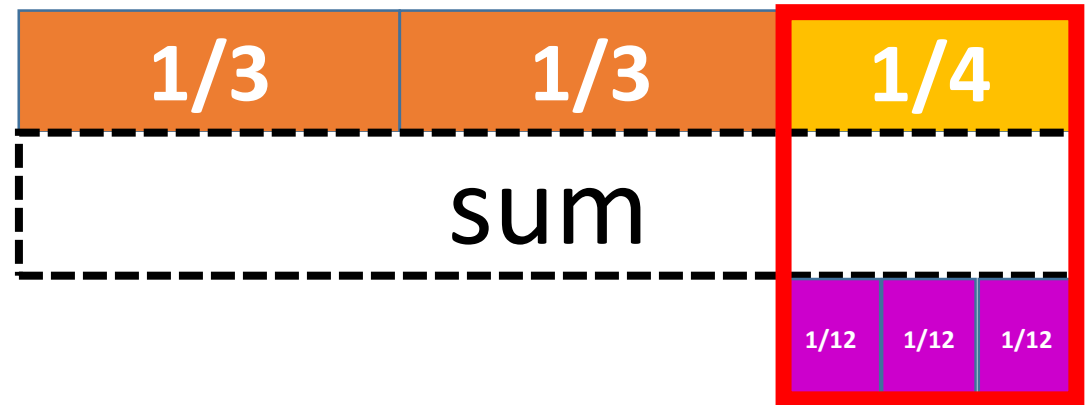


$$4/12 = 1/3$$

Adding Fractions with Fraction Strips

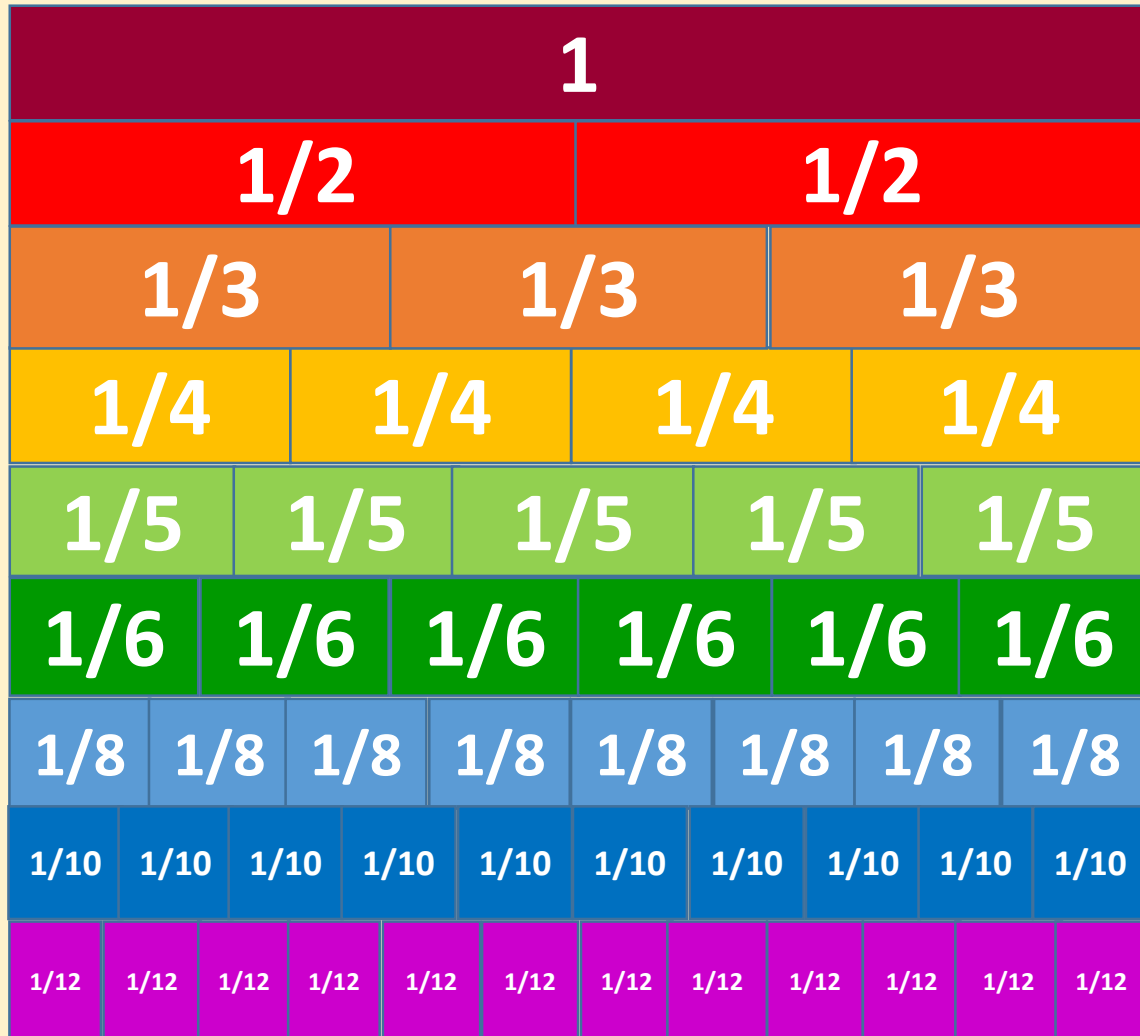


$$2/3 + 1/4$$

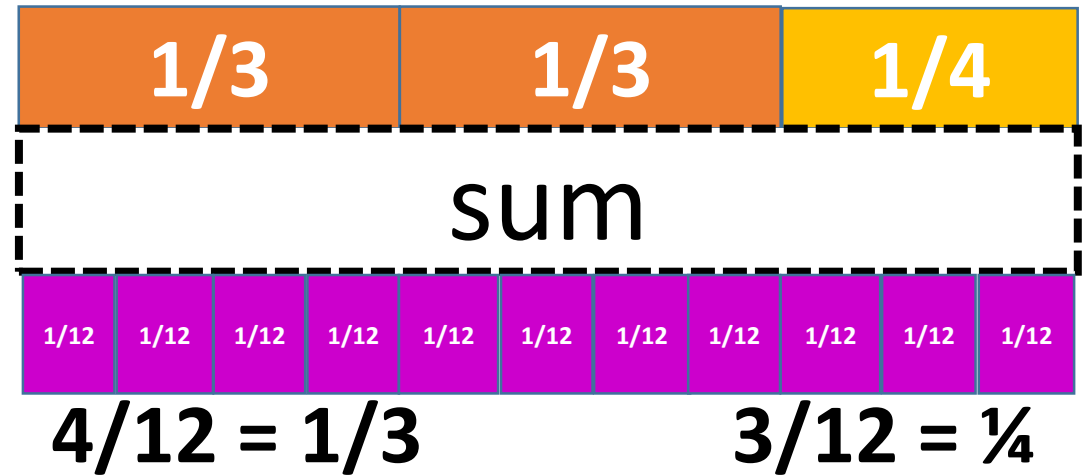


$$3/12 = 1/4$$

Adding Fractions with Fraction Strips

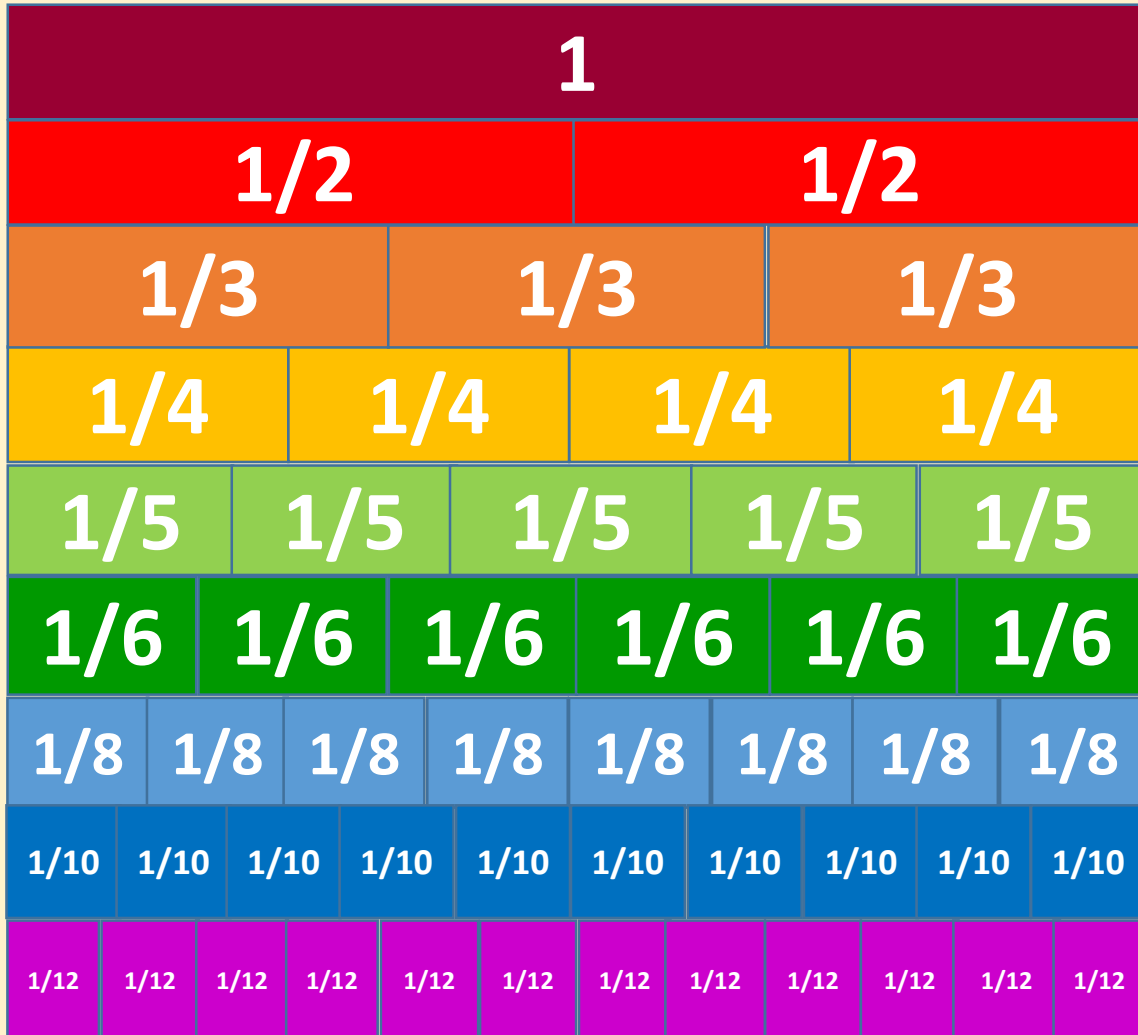


$$2/3 + 1/4$$



$$8/12 + 3/12 = 11/12$$

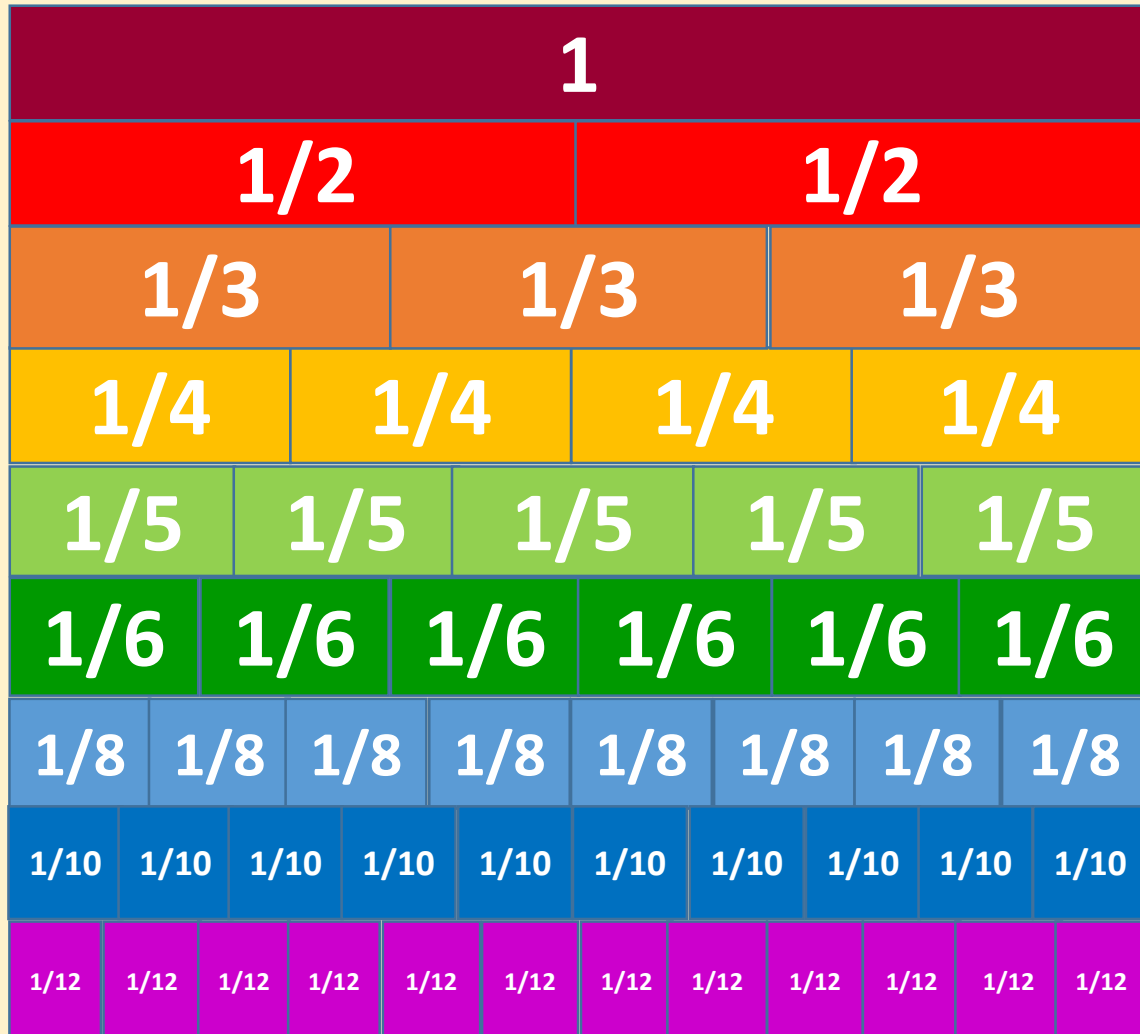
Adding Fractions with Fraction Strips



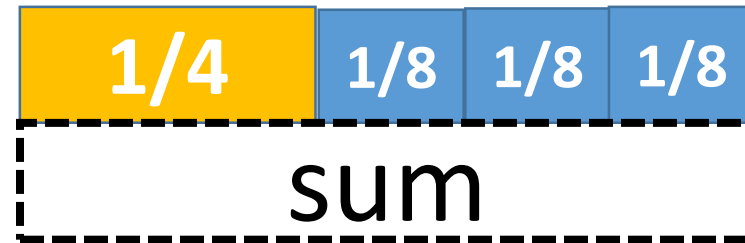
You try!

**Use fraction strips to
add
 $1/4 + 3/8$**

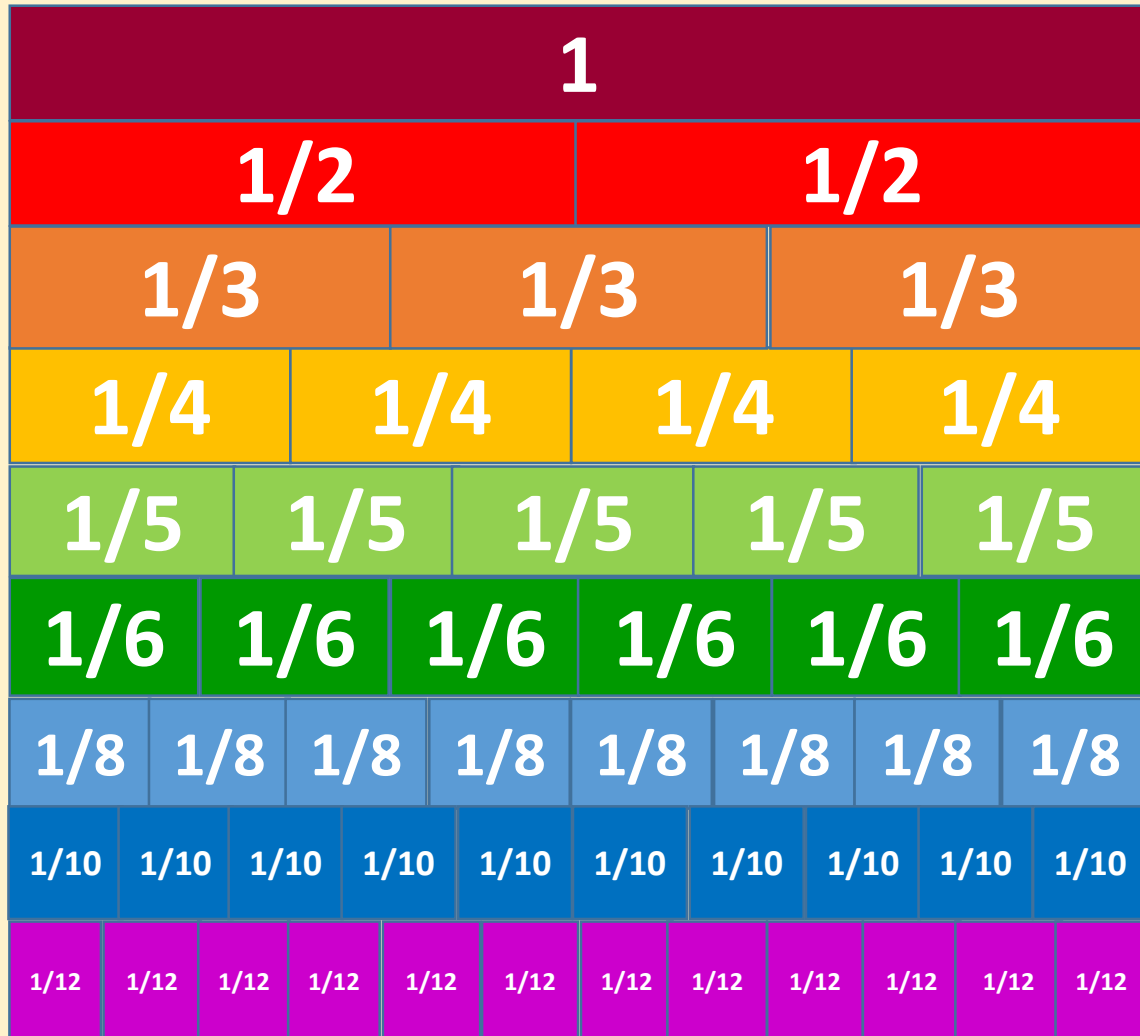
Adding Fractions with Fraction Strips



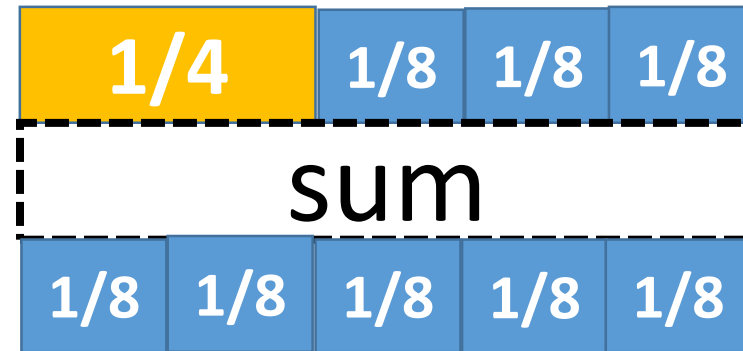
$$\frac{1}{4} + \frac{3}{8}$$



Adding Fractions with Fraction Strips

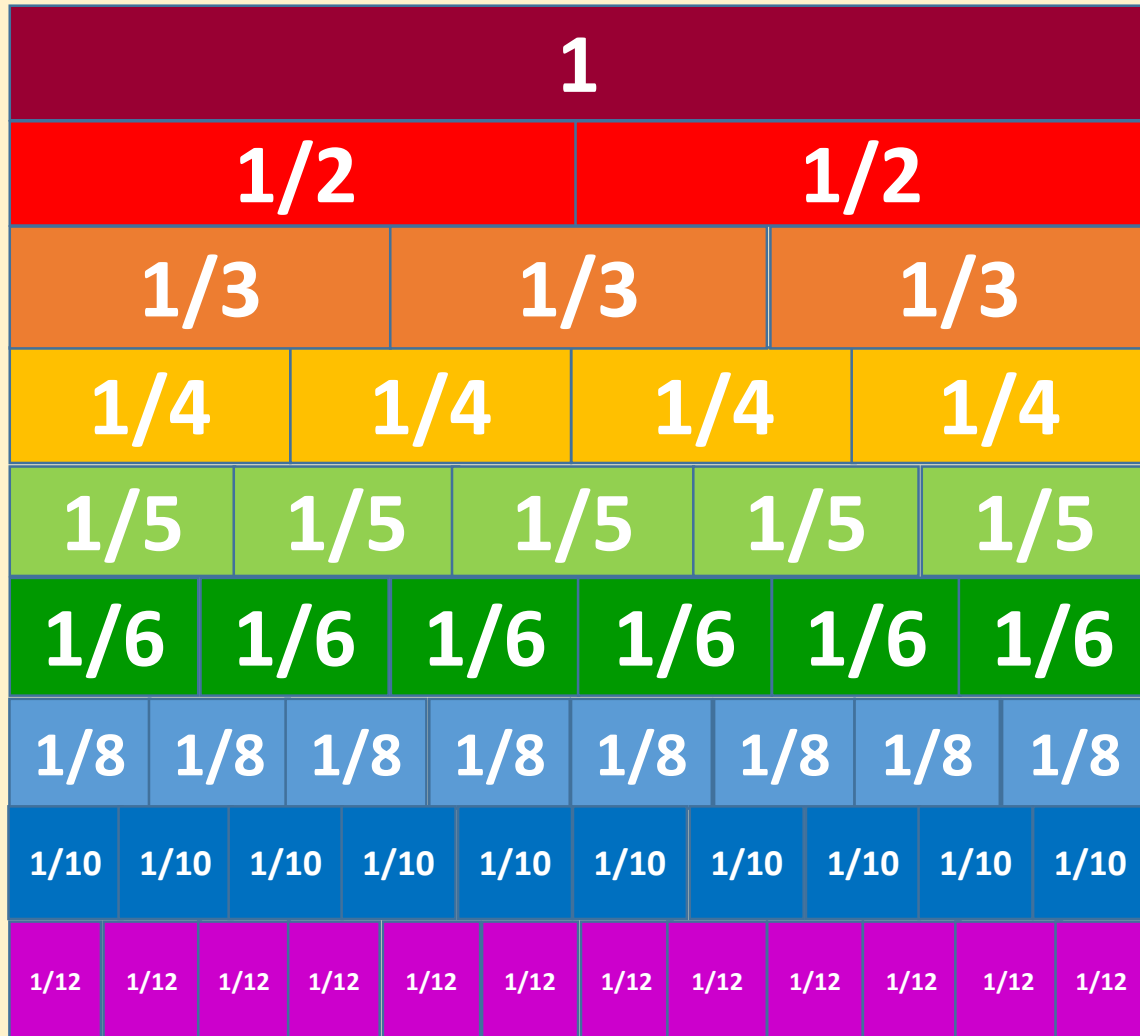


$$1/4 + 3/8$$



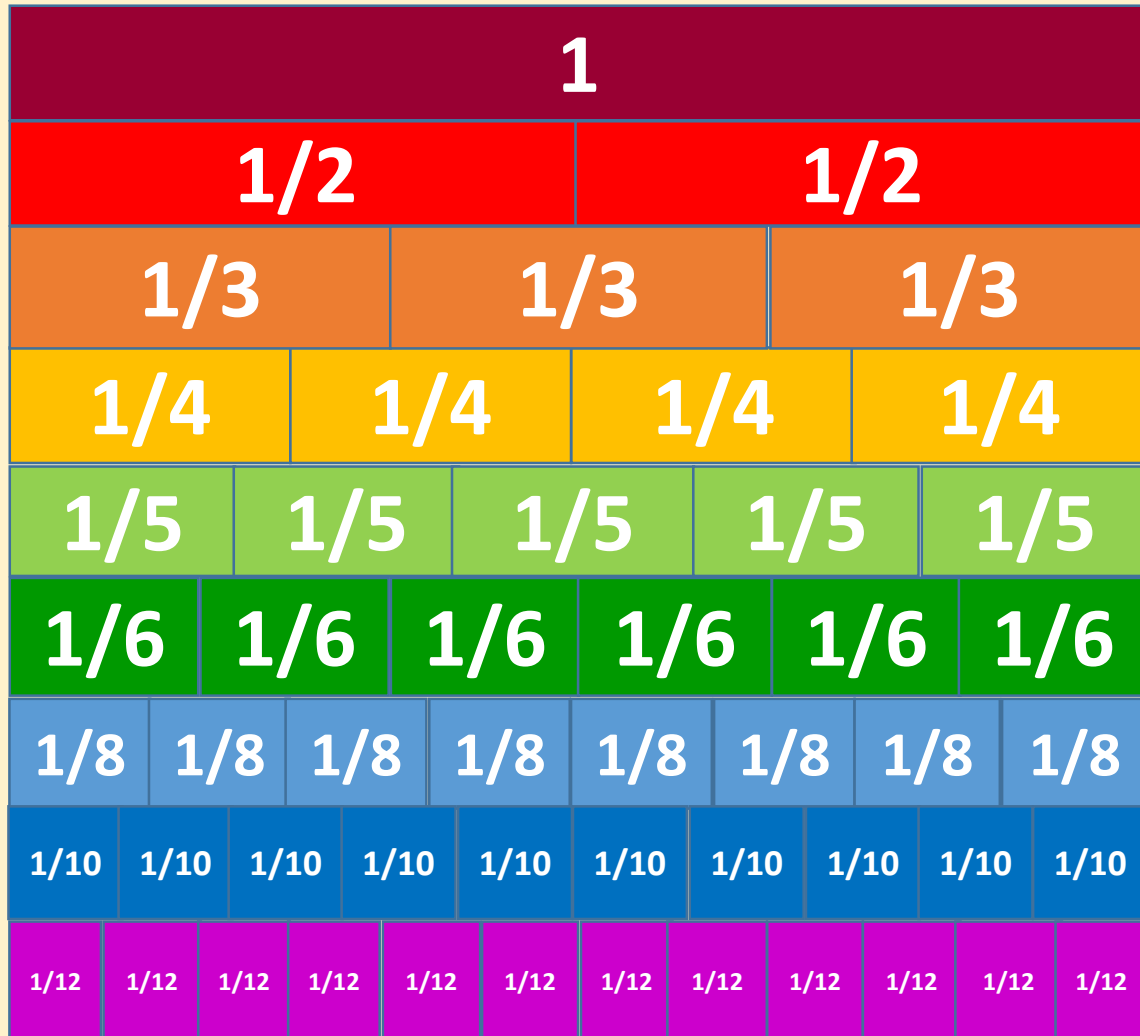
$$2/8 + 3/8 = 5/8$$

Subtracting Fractions with Fraction Strips

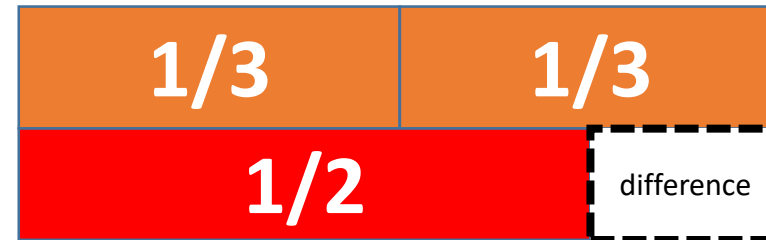


Now, let's use the fraction strips to subtract fractions.

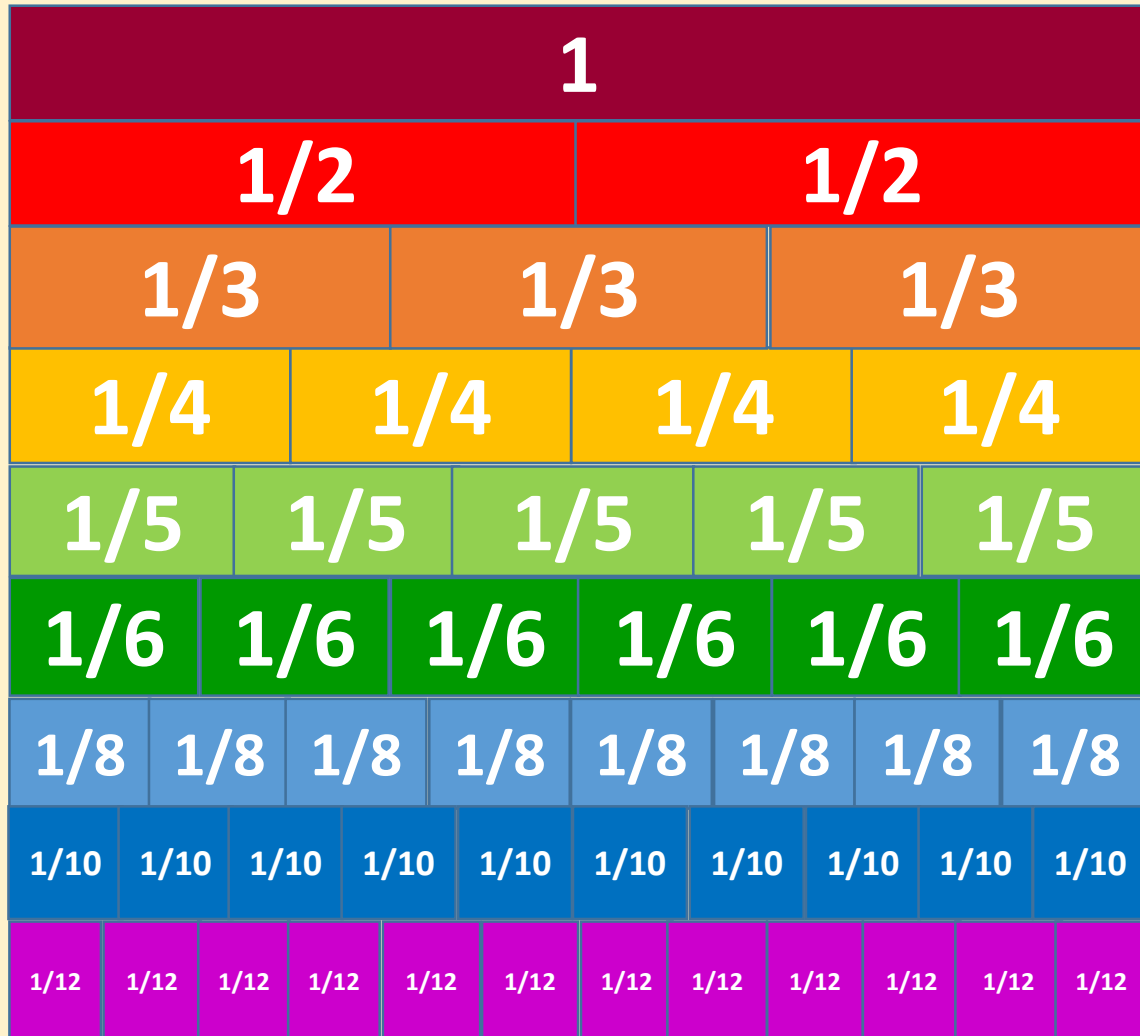
Subtracting Fractions with Fraction Strips



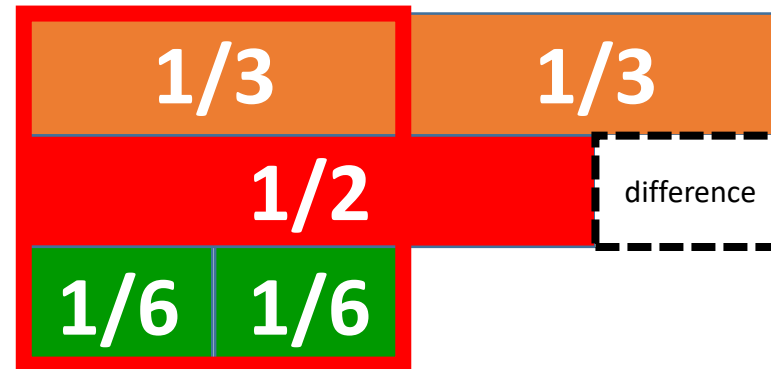
$$2/3 - 1/2$$



Subtracting Fractions with Fraction Strips

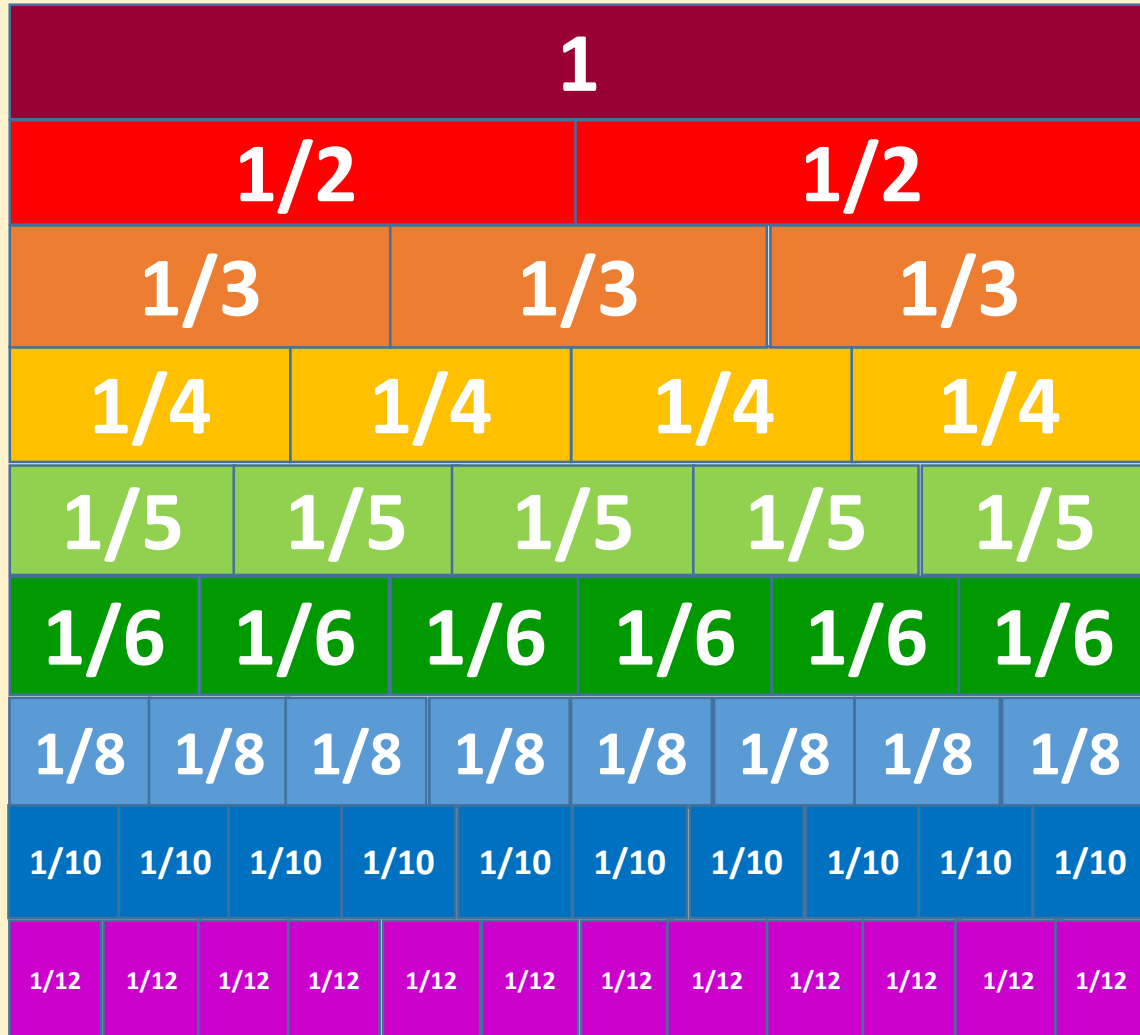


$$2/3 - 1/2$$

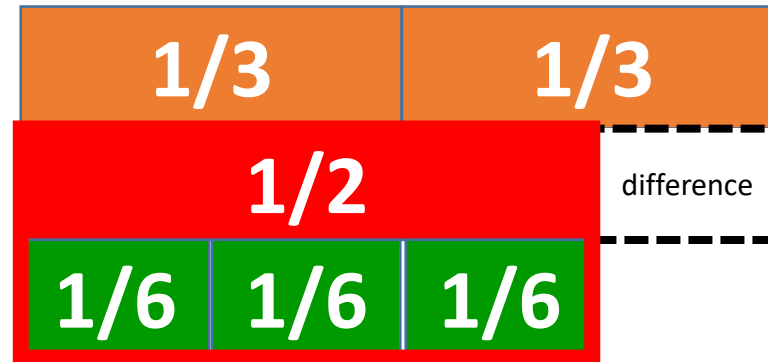


$$2/6 = 1/3$$

Subtracting Fractions with Fraction Strips

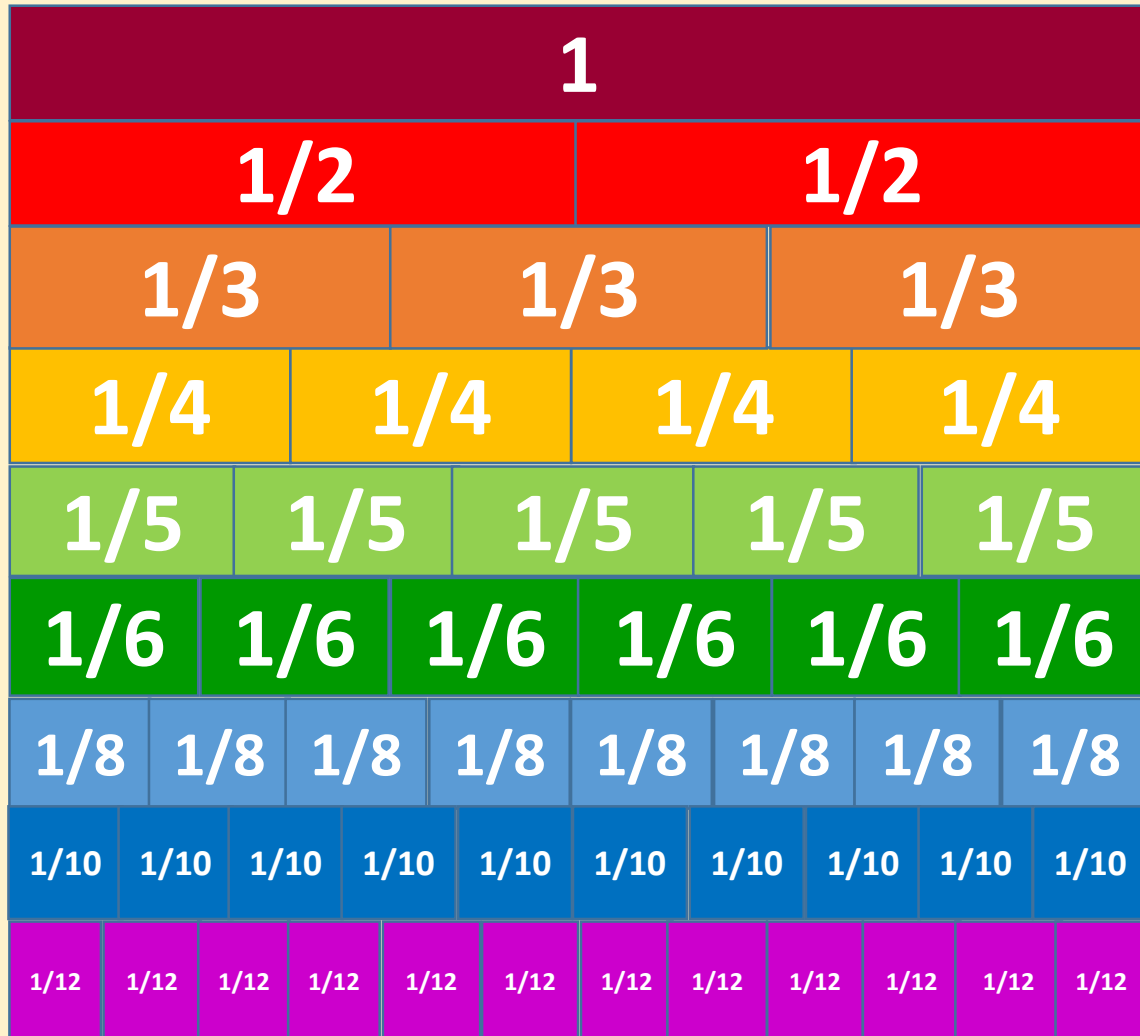


$$2/3 - 1/2$$

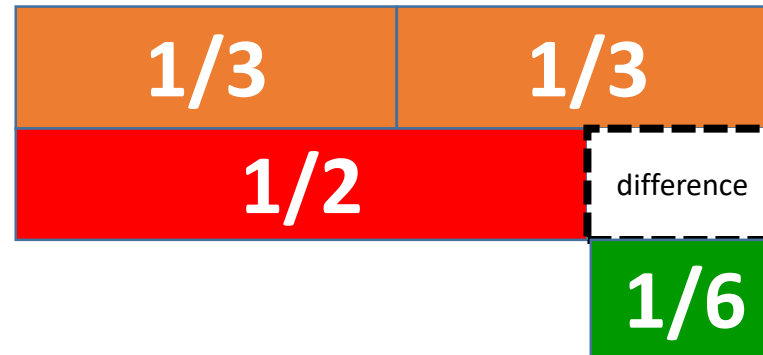


$$3/6 = 1/2$$

Subtracting Fractions with Fraction Strips

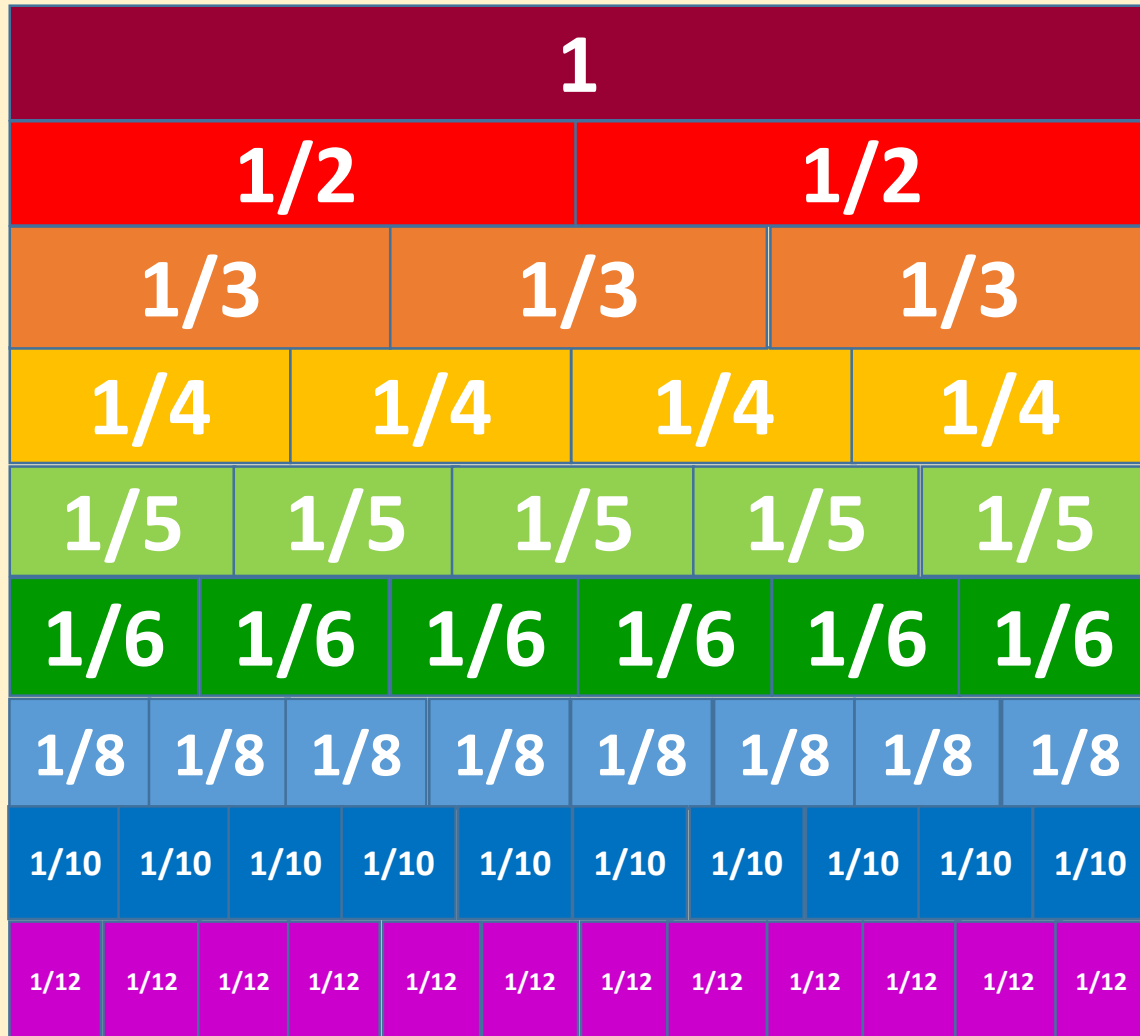


$$2/3 - 1/2$$

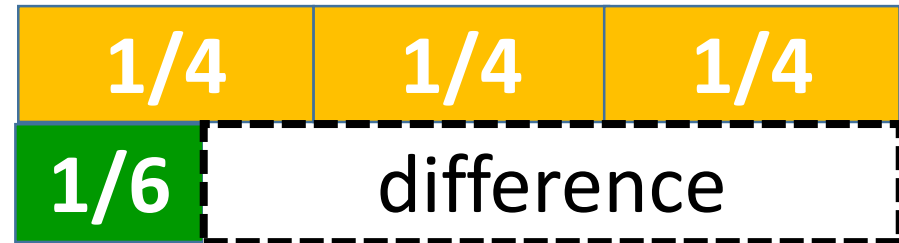


$$4/6 - 3/6 = 1/6$$

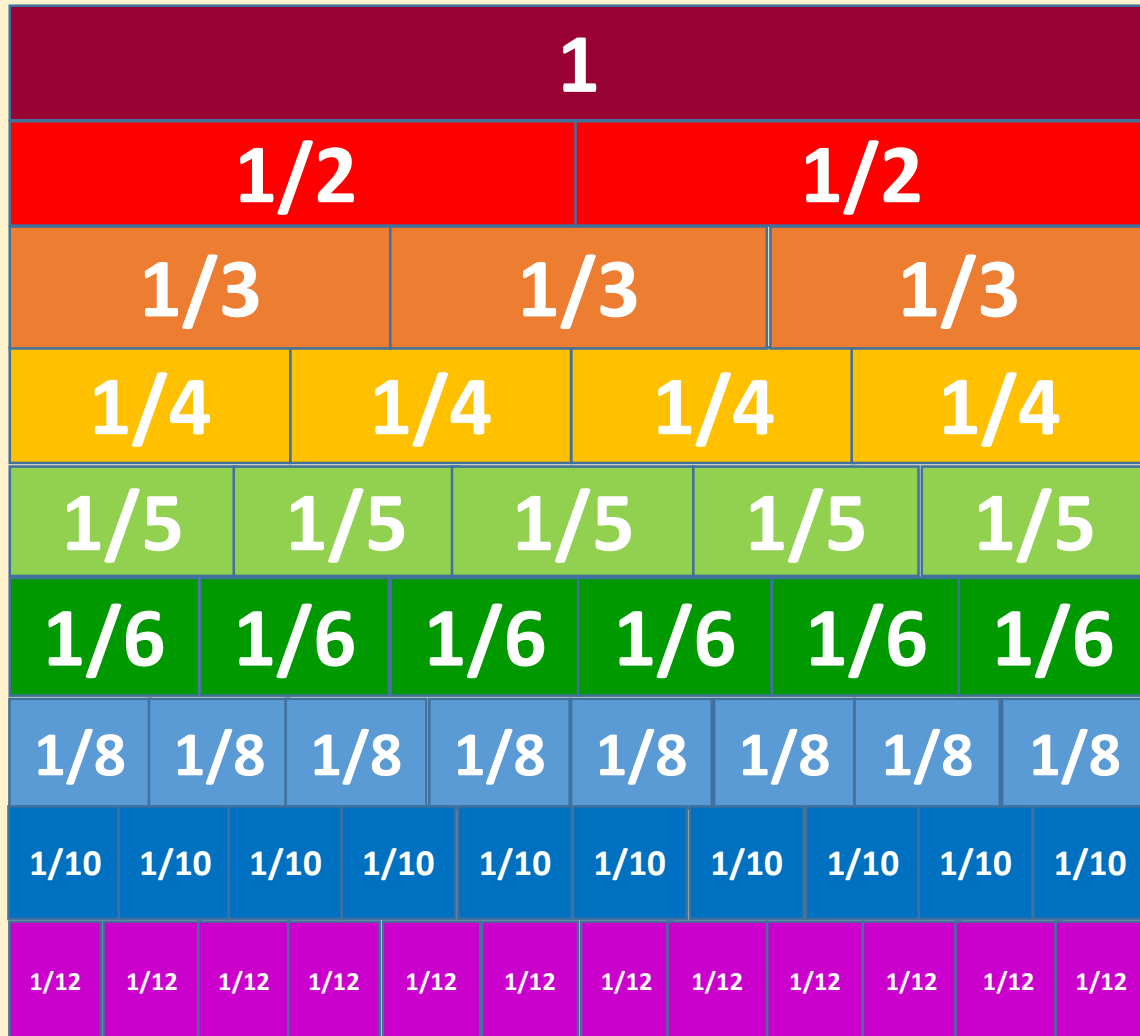
Subtracting Fractions with Fraction Strips



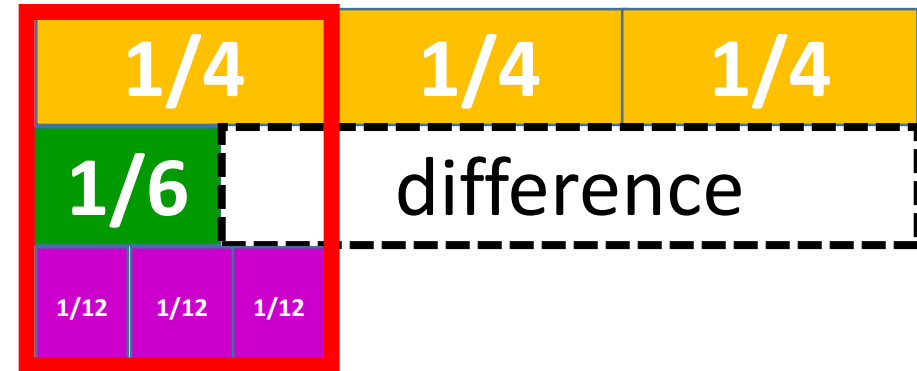
$$3/4 - 1/6$$



Subtracting Fractions with Fraction Strips

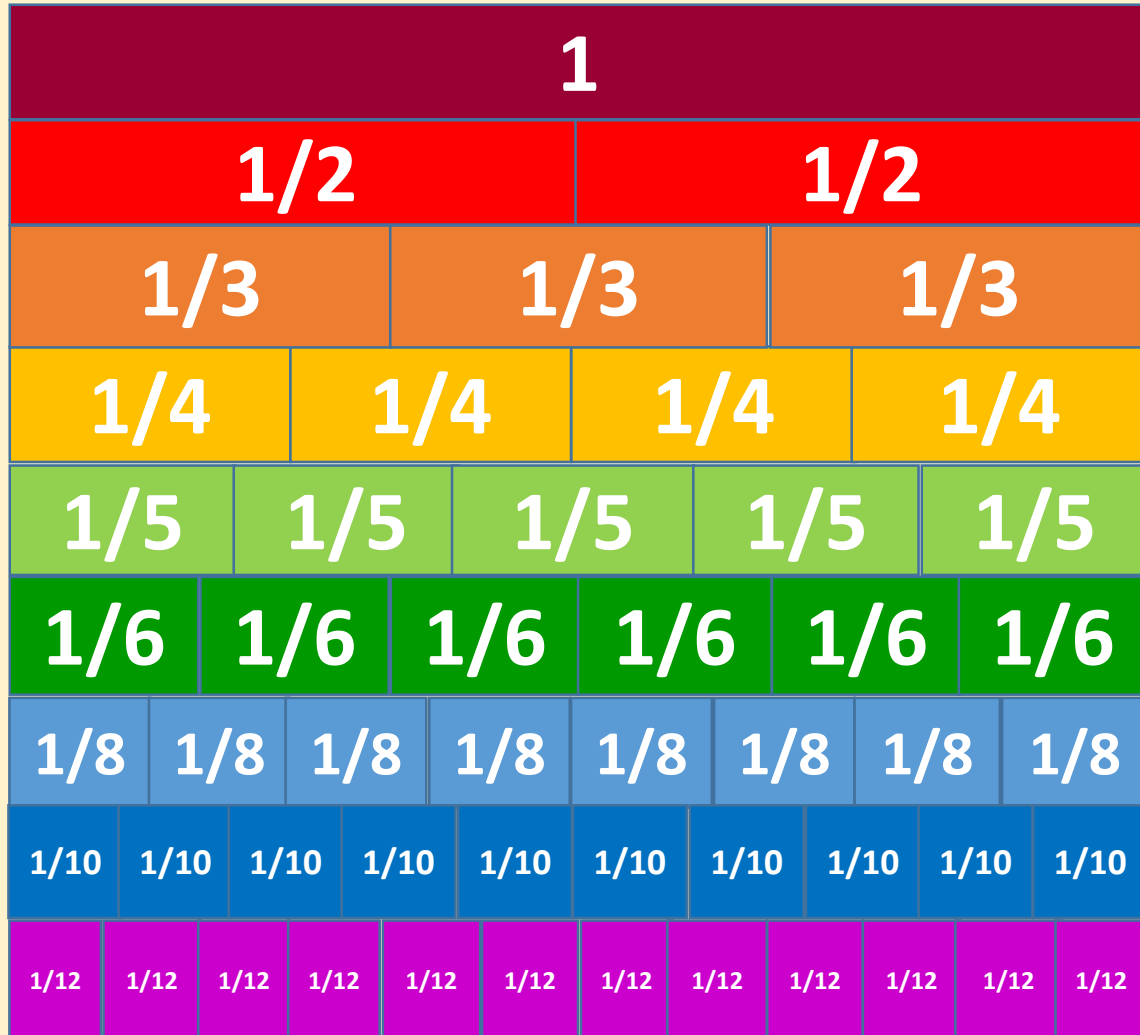


$$\frac{3}{4} - \frac{1}{6}$$

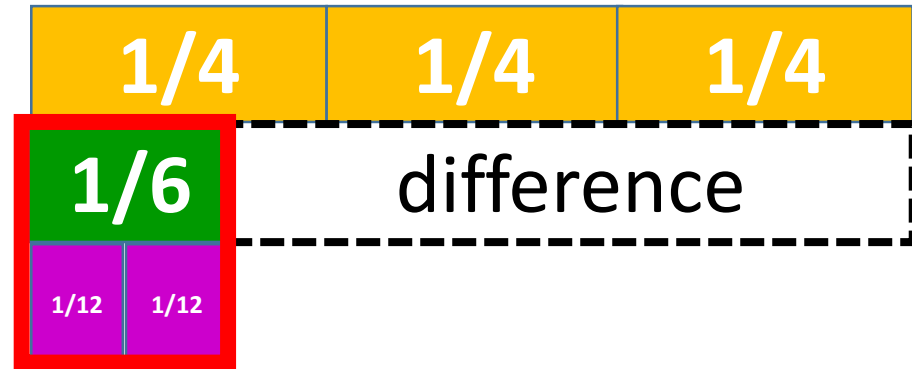


$$\frac{1}{4} = \frac{3}{12}$$

Subtracting Fractions with Fraction Strips

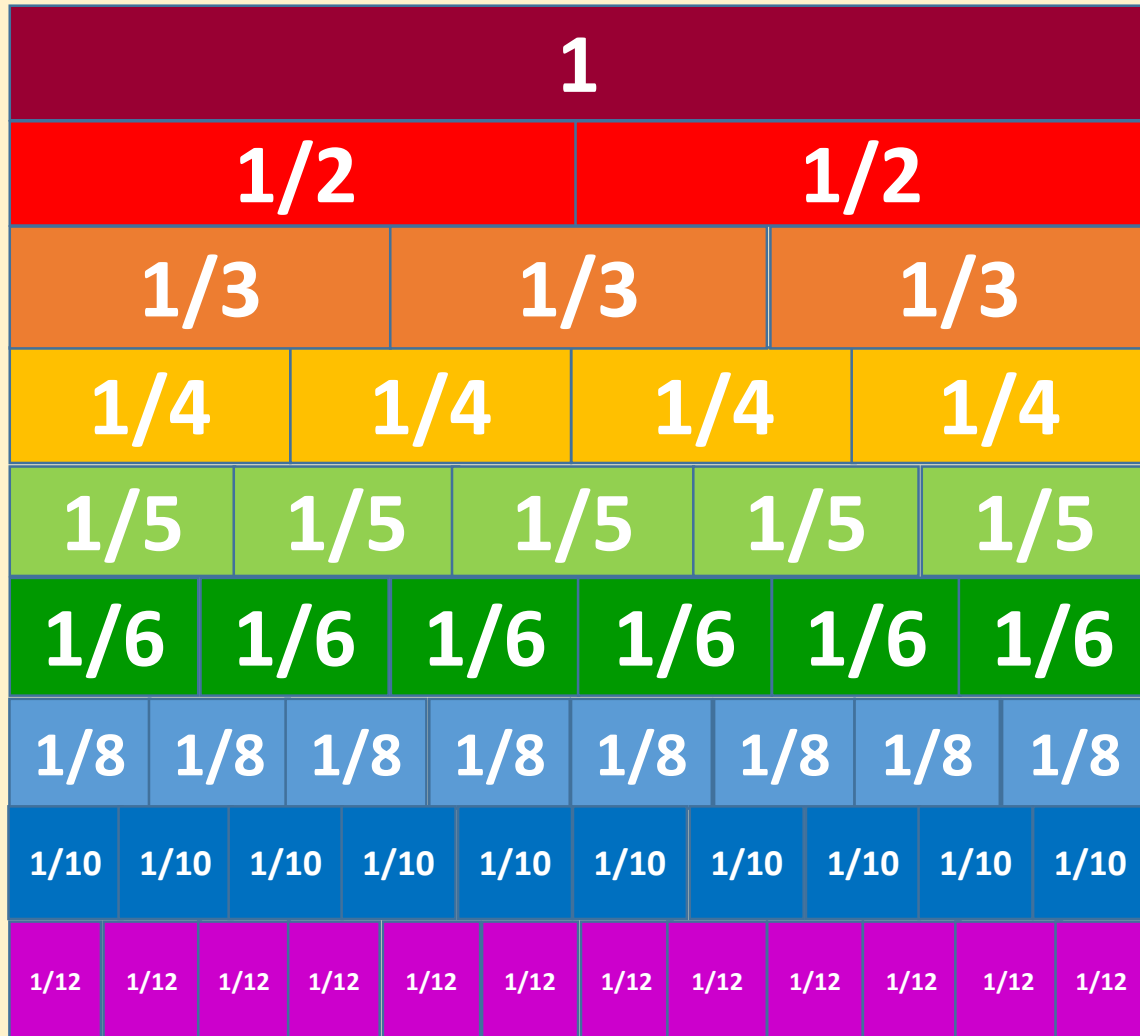


$$3/4 - 1/6$$

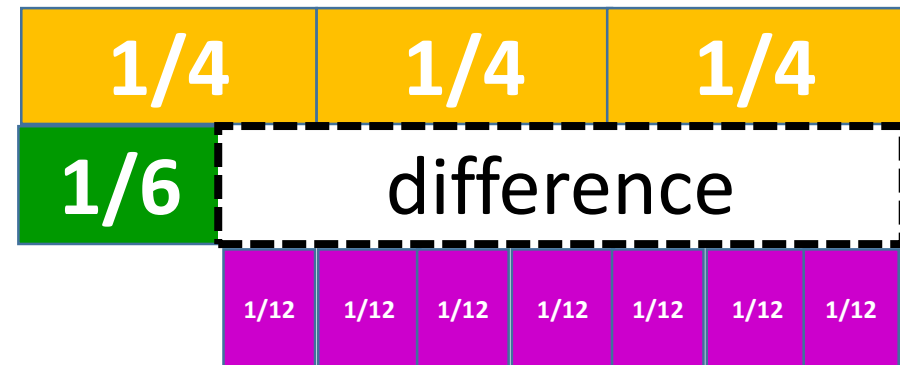


$$1/6 = 2/12$$

Subtracting Fractions with Fraction Strips

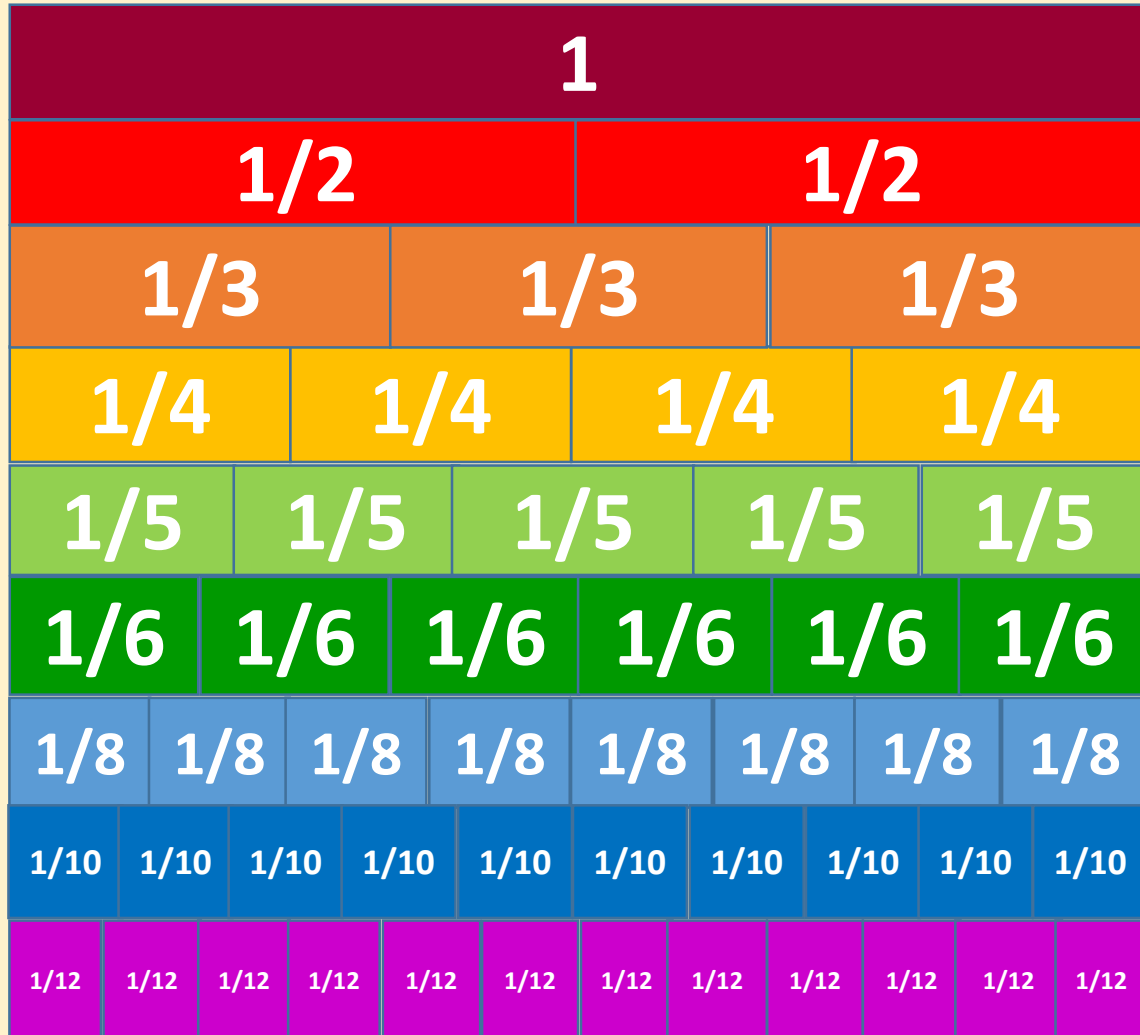


$$3/4 - 1/6$$



$$9/12 - 2/12 = 7/12$$

Subtracting Fractions with Fraction Strips



**Let's practice in your Go Math!
Book.**

**Adding Fractions:
Chapter 6, Lesson 1
Pages 243 – 246**

**Subtracting Fractions:
Chapter 6, Lesson 2
Pages 247 - 250**