

Warm Up - Lowest Terms

$$\frac{35}{80} =$$

Warm Up - Mixed to Improper

Diagram

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

$$3\frac{4}{7} =$$

Warm Up - Improper to Mixed

Diagram

$$\frac{16}{5} =$$

$$\frac{24}{10} =$$

Adding & Subtracting Fractions

Learning Goal:

By the end of today, I will be able to add and subtract mixed fractions.

Adding Fractions

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

1

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{1}{6}$

$\frac{1}{8}$

$\frac{1}{16}$

$\frac{1}{4}$

$\frac{1}{4}$

$\frac{1}{4}$

$\frac{1}{2}$

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

1

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{1}{6}$

$\frac{1}{8}$

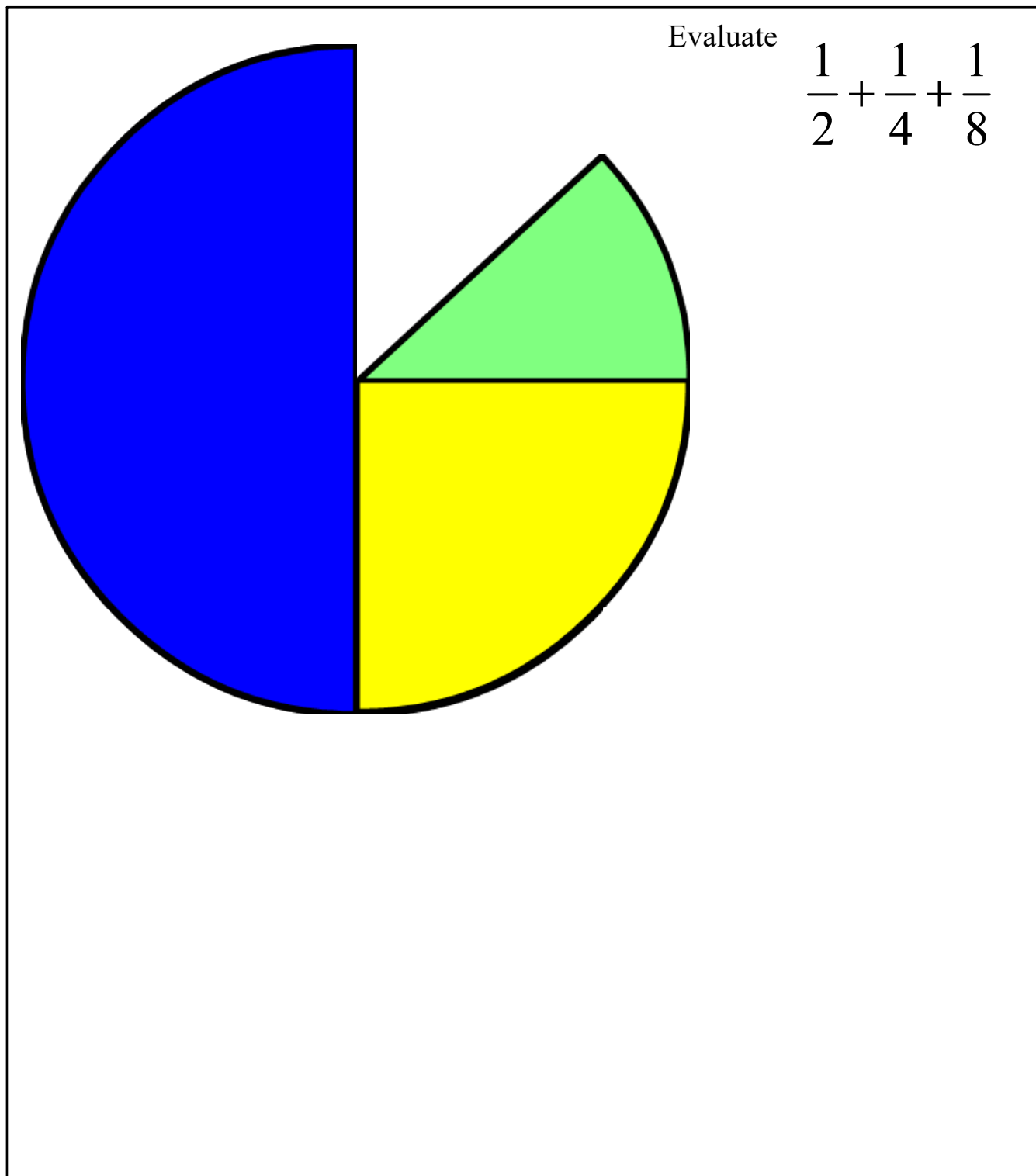
$\frac{1}{16}$

$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{8}$

Evaluate $\frac{1}{2} + \frac{1}{4} + \frac{1}{8}$



The diagram consists of two parts. The upper part shows a sequence of seven vertical bars of decreasing height, each labeled with a fraction: 1 (yellow), 1/2 (cyan), 1/3 (pink), 1/4 (green), 1/6 (yellow), 1/8 (light yellow), and 1/16 (grey). The lower part shows two vertical bars on a horizontal line: a cyan bar labeled 1/2 and a pink bar labeled 1/3.

Evaluate $\frac{1}{2} + \frac{1}{3}$

Before we can add fractions together it is important to make the "size" of the pieces the same. This is called finding a **common denominator**. We find a common denominator by using **equivalent fractions** until the *bottom terms are all the same*.

Evaluate $\frac{3}{4} + \frac{5}{8}$

Evaluate $\frac{1}{2} + \frac{3}{8} + \frac{9}{16}$

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

Pieces

Improper



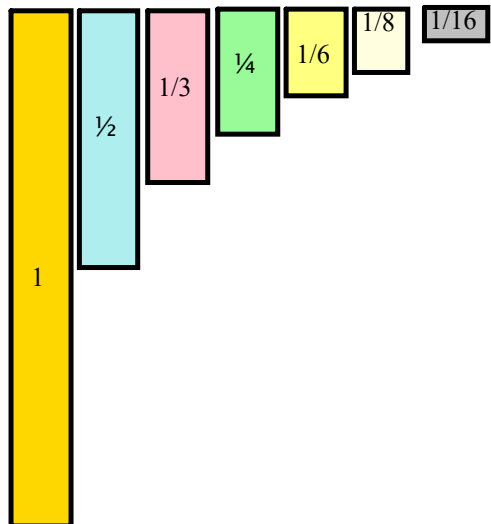
Evaluate $2\frac{3}{4} + 3\frac{1}{2}$

Pieces

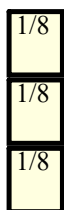
Improper



Subtracting Fractions



Evaluate $\frac{3}{8} - \frac{1}{8}$



Evaluate $\frac{3}{4} - \frac{1}{2}$

Evaluate $1\frac{1}{2} - \frac{3}{4}$

Evaluate $\frac{3}{4} - \frac{5}{8}$

Evaluate

$$\frac{1}{2} - \frac{1}{16} - \frac{1}{4}$$

Evaluate $1\frac{1}{2} - \frac{1}{4}$

Pieces

Improper



Evaluate $2\frac{1}{2} - 1\frac{1}{8}$

Pieces

Improper



Evaluate $3\frac{1}{4} - 1\frac{7}{8}$

Pieces

Improper



Task - Adding - Subtracting Fractions

Attachments

Math - task5 - add_sub fractions.doc