Mathematics

Number and Algebra

Adding Fractions

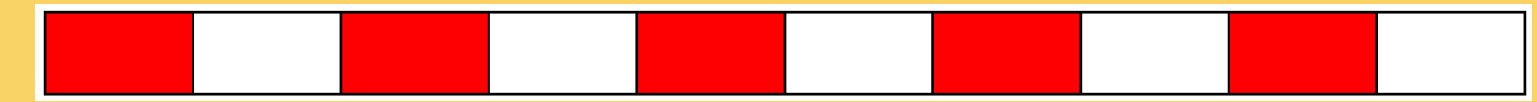
Aim

- To add fractions with the same denominator.

Success Criteria

- I can use a fraction bar to represent a fraction.
- I can show two fractions on a fraction bar.
- I can use a fraction bar to find the total of two fractions.

Fraction Count



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Fraction Wall

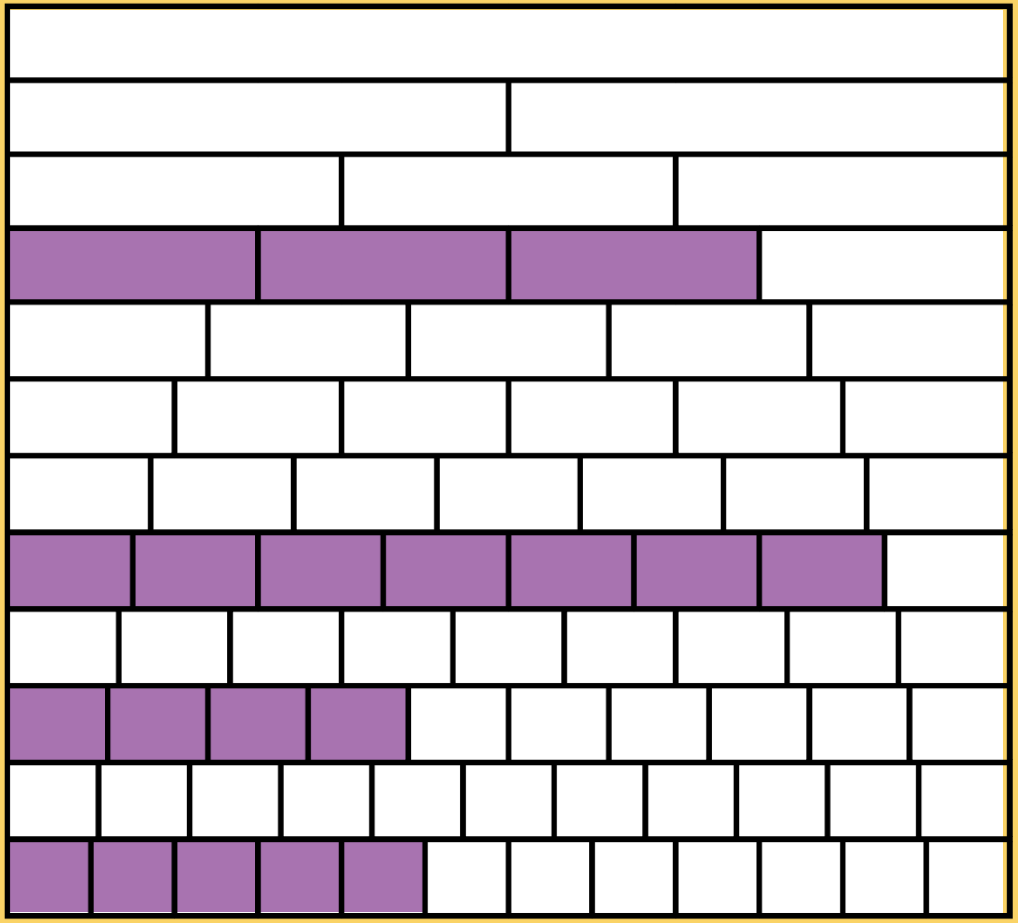
On your fraction wall, show …

$\frac{3}{4}$

$\frac{4}{10}$

$\frac{7}{8}$

$\frac{5}{12}$



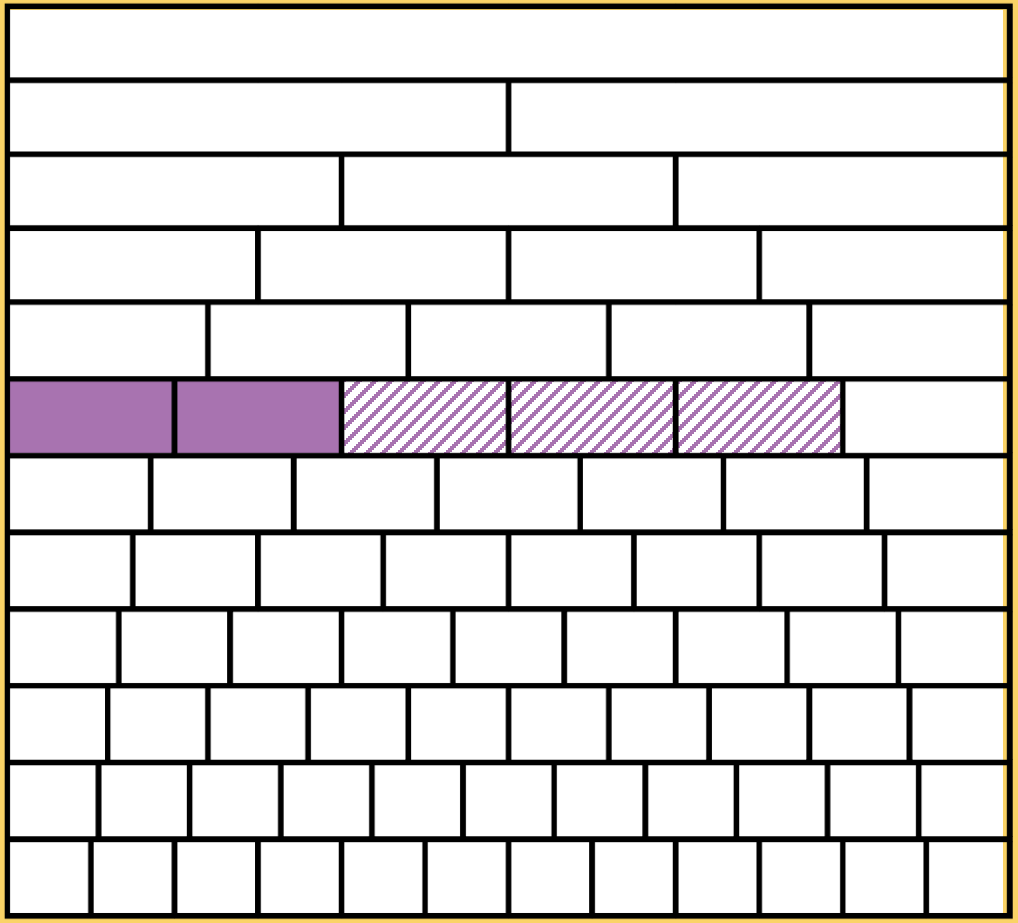
Fraction Wall

On your fraction wall, colour in $\frac{2}{6}$.

On your fraction wall, mark another $\frac{3}{6}$ with lines.

How many sixths have been coloured in altogether?

$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$



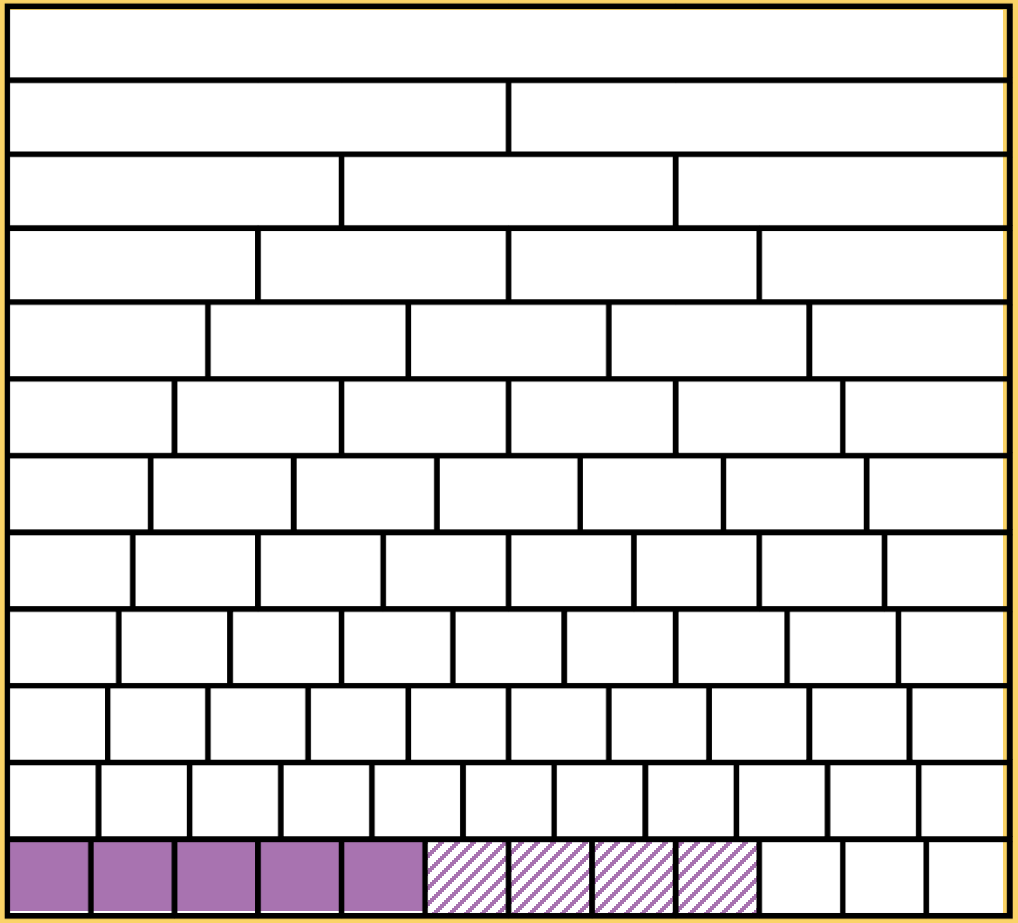
Fraction Wall

On your fraction wall, colour in $\frac{5}{12}$.

On your fraction wall, mark another $\frac{4}{12}$ with lines.

How many twelfths have been coloured in altogether?

$$\frac{5}{12} + \frac{4}{12} = \frac{9}{12}$$



Fraction Wall

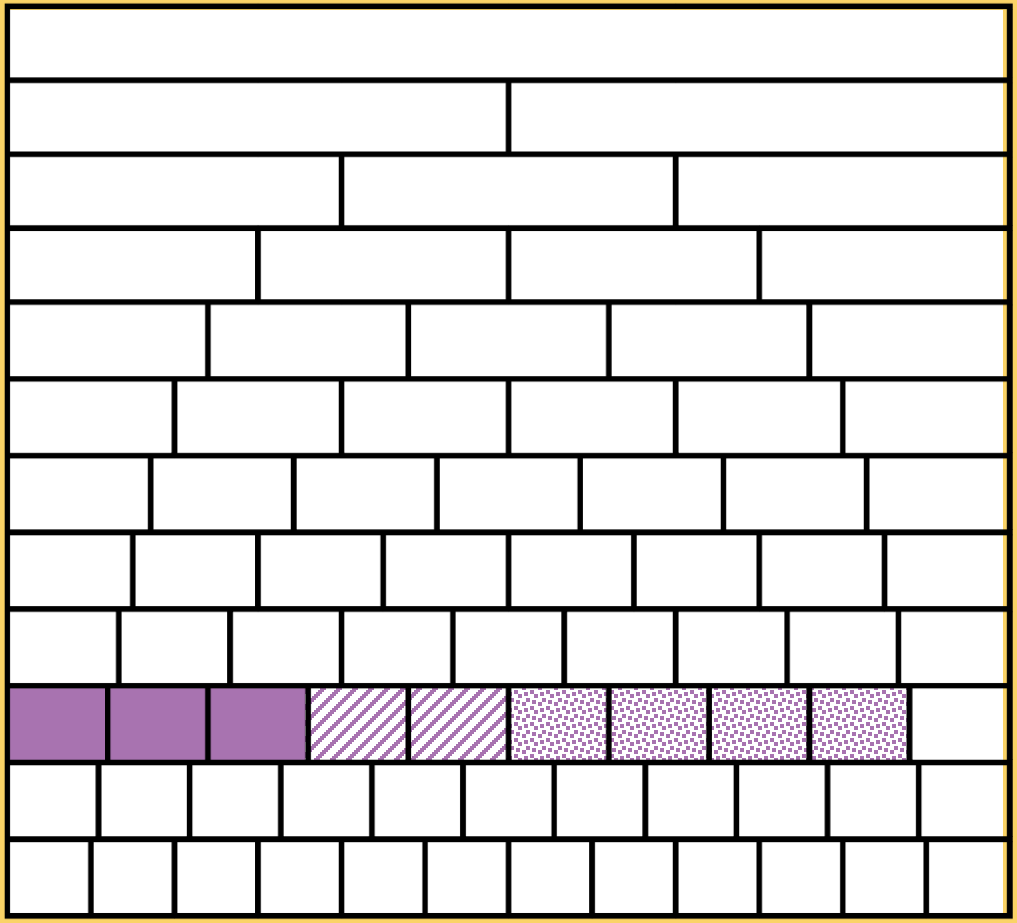
On your fraction wall, colour in $\frac{3}{10}$.

On your fraction wall, mark another $\frac{2}{10}$ with lines.

On your fraction wall, mark another $\frac{4}{10}$ with dots.

How many tenths have been coloured in altogether?

$$\frac{3}{10} + \frac{2}{10} + \frac{4}{10} = \frac{9}{10}$$



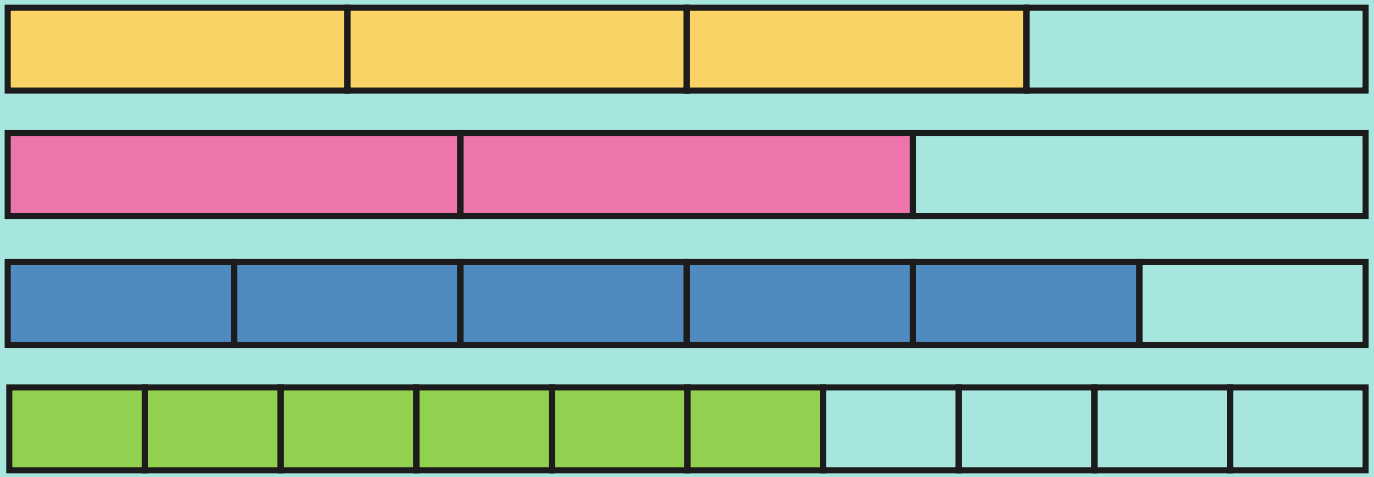
Fraction Bars

How could this bar be used to show $\frac{2}{5}$?

The bar needs to be split into 5 equal sections to represent fifths.

2 of the 5 sections need to be coloured in to represent the 2 fifths.

Draw fraction bars to show each of these fractions:



Fraction Bars

Draw a fraction bar to represent $\frac{3}{8}$.

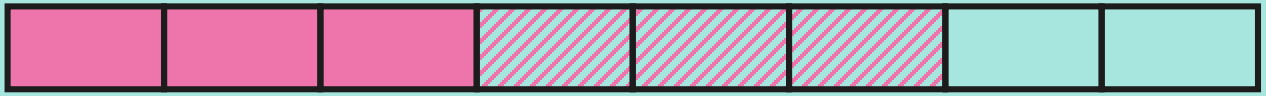
Add $\frac{4}{8}$ so that your fraction bar shows $\frac{3}{8} + \frac{4}{8}$.

so $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$.

Draw fraction bars to solve each of these calculations:

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

$\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$



$\frac{4}{6} + \frac{2}{6} = \frac{6}{6}$ or 1

What do you notice about the numerators and denominators when you add the fractions?

Beyond the Whole

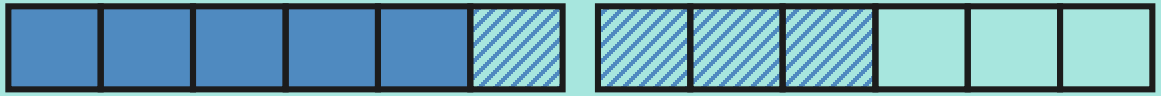
Draw a fraction bar to calculate $\frac{3}{4}+\frac{2}{4}$.

What do we need to do to add $\frac{2}{4}$?

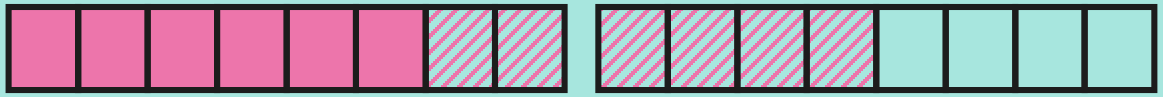
$$\frac{3}{4}+\frac{2}{4}=\frac{5}{4} \text{ or } 1\frac{1}{4}$$

Solve these calculations:

$\frac{5}{6}+\frac{4}{6}=\frac{9}{6}$ or $1\frac{3}{6}$



$\frac{6}{8}+\frac{6}{8}=\frac{12}{8}$ or $1\frac{4}{8}$



Adding Fractions

Adding Fractions

Colour in the fraction bars to show these calculations and then give the

1. $\frac{2}{5} + \frac{1}{5} = \square$

2. $\frac{1}{3} + \frac{1}{3} = \square$

3. $\frac{4}{8} + \frac{3}{8} = \square$

4. $\frac{2}{7} + \frac{3}{7} = \square$

5. $\frac{1}{4} + \frac{3}{4} = \square$ or $\square$

6. $\frac{3}{6} + \frac{1}{6} = \square$

7. $\frac{4}{9} + \frac{4}{9} = \square$

8. $\frac{2}{10} + \frac{4}{10} + \frac{3}{10} = \square$

Adding Fractions

Colour in the fraction bars to show these calculations and then give the

1. $\frac{2}{7} + \frac{3}{7} = \square$

2. $\frac{2}{10} + \frac{4}{10} + \frac{3}{10} = \square$

3. $\frac{5}{6} + \frac{3}{6} = \square$ or $\square$

4. $\frac{6}{8} + \frac{3}{8} = \square$ or $\square$

Draw fraction bars to show these calculations and then give the answe

5. $\frac{2}{6} + \frac{3}{6} = \square$

6. $\frac{3}{5} + \frac{4}{5} = \square$ or $\square$

7. $\frac{2}{4} + \frac{3}{4} = \square$ or $\square$

Adding Fractions

Draw fraction bars to show these calculations. Give the answer as improper fractions and as mixed numbers where possible.

1. $\frac{2}{7} + \frac{3}{7} = \square$

2. $\frac{2}{10} + \frac{4}{10} + \frac{3}{10} = \square$

3. $\frac{5}{6} + \frac{3}{6} = \square$ or $\square$

4. $\frac{6}{8} + \frac{3}{8} = \square$ or $\square$

5. $\frac{2}{6} + \frac{3}{6} = \square$

6. $\frac{3}{5} + \frac{4}{5} = \square$ or $\square$

The Total Is...

$$\frac{8}{6}\left(\frac{7}{8}\frac{2}{6}\right)$$

Start

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