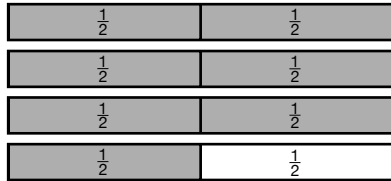


Improper Fractions and Mixed Numbers

You can use fraction strips to write a mixed number as an improper fraction.

$3\frac{1}{2}$ of the strips below are shaded.



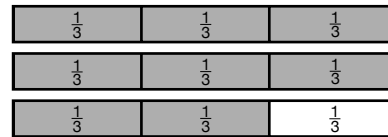
Into how many parts is each strip divided? 2. This is your denominator.

Count the shaded halves. There are 7. This is your numerator.

$3\frac{1}{2}$ is the same as the improper fraction $\frac{7}{2}$.

You can also use fraction strips to write an improper number as a mixed fraction.

$\frac{8}{3}$ of the strips below are shaded.



How many strips are completely shaded? 2. This is your whole number.

What fraction of the third strip is shaded? $\frac{2}{3}$. This is your fraction.

$\frac{8}{3}$ is the same as the mixed number $2\frac{2}{3}$.

Write each mixed number as an improper fraction.

1. $2\frac{1}{3}$ _____ 2. $4\frac{1}{5}$ _____ 3. $2\frac{3}{4}$ _____ 4. $5\frac{2}{6}$ _____

Write each improper fraction as a mixed number or a whole number.

5. $\frac{13}{12}$ _____ 6. $\frac{50}{10}$ _____ 7. $\frac{23}{10}$ _____ 8. $\frac{17}{15}$ _____

9. **Writing to Explain** Is $\frac{45}{5}$ equal to a whole number or a mixed number? Explain how you know.
