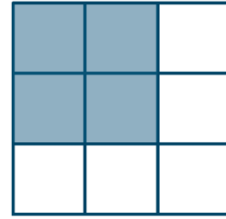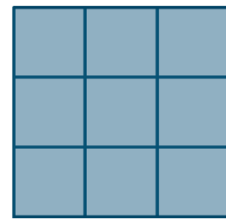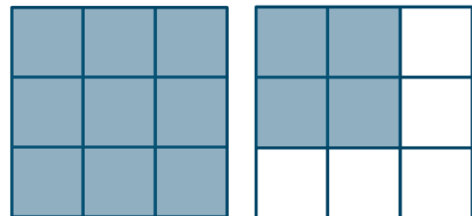# Mixed Numbers and Improper Fractions

- How would I use a fraction to describe the shaded part of this grid?

- How would I use fractions to describe the shaded part of this grid?

- How would I use fractions to describe the combined shaded parts?

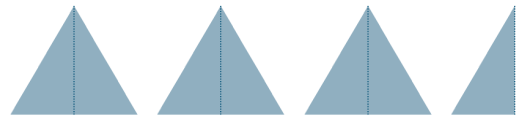The combined shaded parts of the diagram shown above can be described using $\frac{11}{9}$ or $1\frac{2}{9}$.

$\frac{11}{9}$ is an improper fraction… $1\frac{2}{9}$ is a mixed number.

- How would I explain an improper fraction?
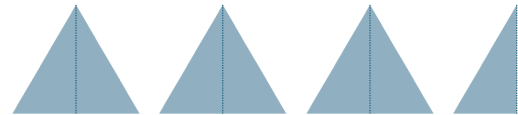
- How would I explain a mixed number?

- How could I use division to verify $\frac{11}{9} = 1\frac{2}{9}$?

- How would I explain writing a mixed number to describe this picture?

- How would I explain writing an improper fraction to describe this picture?

- How could I use division to check $\frac{7}{2} = 3\frac{1}{2}$?

- How would I explain writing $3\frac{1}{2}$ as an improper fraction without using diagrams?

- How would I use a diagram to verify the statement shown here is correct?

$$5\frac{1}{4} = \frac{21}{4}$$

Which statements do I feel confident explaining and demonstrating?
Which statements do I <u>not</u> feel confident explaining and demonstrating?

✓ I can <u>explain</u> and <u>write</u> examples of an improper fraction

✓ I can <u>explain</u> and <u>write</u> examples of a mixed number

✓ I can <u>draw</u> a diagram to <u>illustrate</u> a mixed number and an improper fraction

✓ I can <u>explain</u> how I use division to <u>write</u> an improper fraction as a mixed number

✓ I can <u>explain</u> how I <u>write</u> a mixed number as an improper fraction