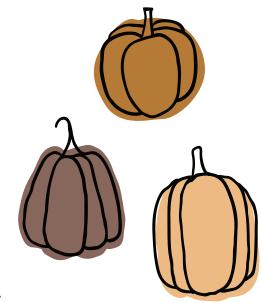
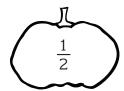
## Pumpkin Patch Sequences

A **sequence** is a list of numbers that follows a pattern. For example, in the sequence **3**, **6**, **9**, **12**, **15**, notice how each number is 3 more than the previous number. So, the rule for this sequence is to add 3. Sequences can include many different types of numbers, such as whole numbers, fractions, and mixed numbers.



**Directions:** Each row of pumpkins below shows a sequence.
Use the given rule to find the missing numbers. Fill in the correct missing numbers on the empty pumpkins. All numbers should be in simplest form.

1. Rule: add  $\frac{3}{4}$ 



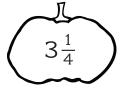
$$\begin{array}{c}
1\frac{1}{4}
\end{array}$$

$$\begin{array}{c}
1 \\
2\frac{3}{4}
\end{array}$$

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

$$4\frac{1}{4}$$

2. Rule: subtract  $\frac{1}{2}$ 



$$2\frac{3}{4}$$

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

$$\begin{array}{c}
1\frac{3}{4}
\end{array}$$

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

3. Rule: subtract  $\frac{1}{3}$ 



$$4\frac{5}{12}$$

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

$$\frac{3\frac{3}{4}}{3}$$

$$3\frac{5}{12}$$

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

**4. Rule:** add  $1\frac{1}{4}$ 



$$2\frac{1}{12}$$

$$\begin{array}{c}
1 \\
3\frac{1}{3}
\end{array}$$

$$\left(4\frac{7}{12}\right)$$

$$\begin{array}{c}
7\frac{1}{12}
\end{array}$$