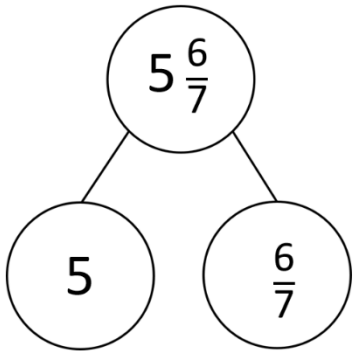
Year 4	Block 7	Unit: Fractions

Key Vocabulary:

part	whole	denominator	numerator	greater than	compare
less than	equal	mixed number	improper fraction		

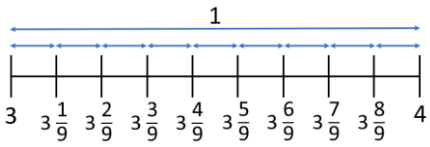
What will I know by the end of this unit?

Partition a mixed number:



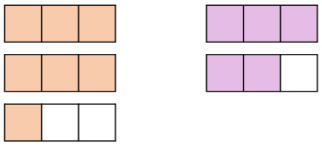
$5\frac{6}{7}$ can be partitioned into 5 wholes and $\frac{6}{7}$

Number lines with mixed numbers:



The difference in value between the start and the end of the number line is 1.
There are 9 intervals.
Each interval is worth $\frac{1}{9}$

Compare and order mixed numbers:



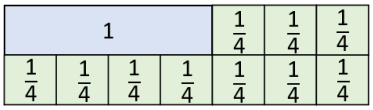
$2\frac{1}{3} > 1\frac{2}{3}$

Put the mixed numbers in order, starting with the smallest.

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

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

Convert mixed numbers to improper fractions:



How can you use this fact to convert $1\frac{3}{4}$ to an improper fraction? $\frac{7}{4}$

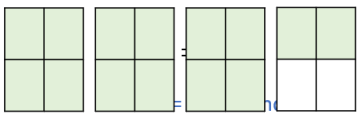
Convert improper fractions to mixed numbers:

Ron is converting $\frac{14}{4}$ to a mixed number.

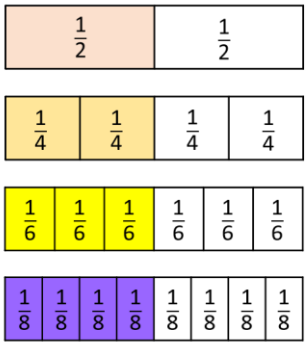
How many groups of 4 quarters can I make from 14?

$14 \div 4 = 3$ remainder 2

$$\frac{14}{4} = 3\frac{2}{4}$$



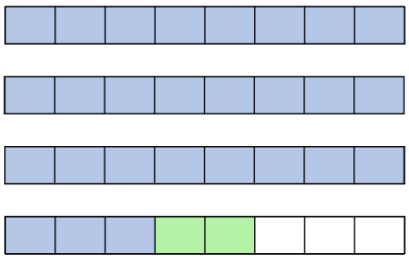
Equivalent fractions:



$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$$

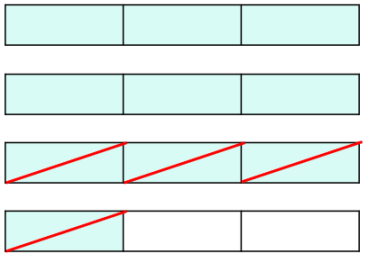
Add fractions:

$$3\frac{3}{8} + \frac{2}{8} = 3\frac{5}{8}$$



Subtract fractions:

$$\frac{10}{3} - \frac{4}{3} = \frac{6}{3} = 2$$



Subtract from mixed numbers:

$$2\frac{4}{8} - \frac{7}{8} = 1\frac{5}{8}$$