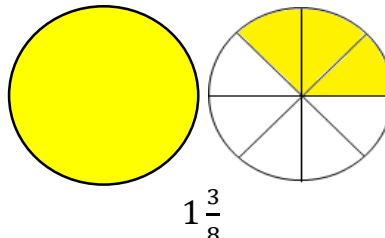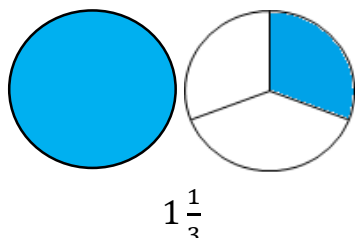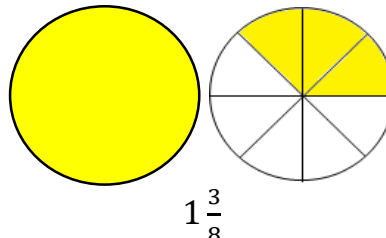# 4.NF.A.2 Compare and Order Mixed Number Using Visual Models

4.NF.A.2 Compare two fractions with different numerators and different denominators

1. Use the model provided below to compare $1\frac{1}{3}$ and $1\frac{3}{8}$. Write the greater number.

$1\frac{1}{3}$

$1\frac{3}{8}$

Solution:

2. Order the mixed numbers and fractions from least to greatest.

   a. $\frac{22}{10}, \frac{45}{20}, 2\frac{1}{3}$
   b. $3\frac{2}{5}, 3\frac{1}{3}, \frac{7}{2}$
   c. $1\frac{5}{8}, 1\frac{1}{3}, \frac{10}{8}$
   d. $\frac{31}{6}, 5\frac{2}{7}, \frac{22}{5}$

   Solution:

   a.

   b.

   c.

   d.

3. Use the table on your right to answer the following questions:
   a. Which dish takes the longest time to cook?
   b. Which dish takes the shortest time to cook?
   c. Order the dish from shortest to longest time to cook.

Dish Cooking Time	
Dish	Duration
Chicken Soup	$1\frac{1}{2}$ hours
Roast Chicken	$1\frac{2}{3}$ hours
Pot Roast	$\frac{7}{4}$ hours

   Solution:
   a.
   b.
   c.

4. Which of the mixed numbers is the greatest?

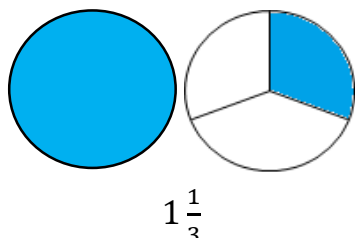   A. $2\frac{2}{7}$ C. $\frac{14}{5}$

   B. $\frac{10}{4}$ D. $2\frac{1}{4}$

   Solution:

1. Use the model provided below to compare $1\frac{1}{3}$ and $1\frac{3}{8}$. Write the greater number.

$1\frac{1}{3}$

$1\frac{3}{8}$

$$1\frac{3}{8}$$

2. Order the mixed numbers and fractions from least to greatest.

   a. $\frac{22}{10}$, $\frac{45}{20}$, $2\frac{1}{3}$
   b. $3\frac{2}{5}$, $3\frac{1}{3}$, $\frac{7}{2}$
   c. $1\frac{5}{8}$, $1\frac{1}{3}$, $\frac{10}{8}$
   d. $\frac{31}{6}$, $5\frac{2}{7}$, $\frac{22}{5}$

   a. $2\frac{1}{3}, \frac{45}{20}, \frac{22}{10}$

   b. $\frac{7}{2}, 3\frac{2}{5}, 3\frac{1}{3}$

   c. $1\frac{5}{8}, 1\frac{1}{3}, \frac{10}{8}$

   d. $5\frac{2}{7}, \frac{31}{6}, \frac{22}{5}$

3. Use the table on your right to answer the following questions:

   a. Which dish takes the longest time to cook?
   b. Which dish takes the shortest time to cook?
   c. Order the dish from shortest to longest time to cook.

Dish Cooking Time	
Dish	Duration
Chicken Soup	$1\frac{1}{2}$ hours
Roast Chicken	$1\frac{2}{3}$ hours
Pot Roast	$\frac{7}{4}$ hours

   a. Pot Roast
   b. Chicken Soup
   c. Chicken Soup, Roast Chicken, Pot Roast

4. Which of the mixed numbers is the greatest?

   A. $2\frac{2}{7}$ C. $\frac{14}{5}$

   B. $\frac{10}{4}$ D. $2\frac{1}{4}$

   C