

IMPROPER FRACTIONS

Lesson 1.4, 1.5

AB GAME

- Least Common Multiple
- Divide Evenly
- Product
- Quotient

IMPROPER FRACTIONS

Proper Fraction

Small on the top- Big on the Bottom



$$\frac{4}{11}$$

Improper Fraction

Big on the top- Small on the Bottom



$$\frac{11}{4}$$

All improper fractions are bigger than 1 WHOLE.

All proper fractions are less than 1 WHOLE.

SIMPLIFYING IMPROPER FRACTIONS

- https://youtu.be/8JyPzTeA_8w

WHITE BOARD PRACTICE

- Write each of the improper fractions as mixed number.

- $\frac{11}{3}$

- $\frac{13}{4}$

- Think about how you may do the following...Pair up with a partner...Share your thoughts.

- $5\frac{11}{6}$

- Answer on your own.

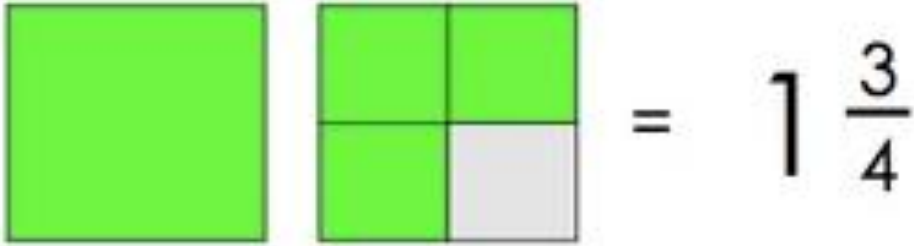
PRACTICE IN YOUR NOTEBOOK

- $13/8$
- $17/9$
- $9/5$
- $6 \frac{12}{8}$

MIXED NUMBERS

Mixed Numbers

- A mixed number has a part that is a whole and a part that is a fraction.



The diagram illustrates the mixed number $1 \frac{3}{4}$. It consists of one solid green square representing the whole number 1, followed by a square divided into four equal quadrants. Three of these quadrants are shaded green, representing the fraction $\frac{3}{4}$, and one quadrant is unshaded (white), representing the missing $\frac{1}{4}$ to complete the whole. An equals sign follows, leading to the mixed number $1 \frac{3}{4}$.

Since improper fractions can be rewritten (or simplified) into mixed numbers, we can also change mixed numbers back into improper fractions.

MIXED NUMBERS

- <https://youtu.be/xkg737ocpjs>

PRACTICE ON YOUR WHITE BOARD

- Change the following mixed numbers into improper fractions.

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

- $9\frac{3}{8}$

- $6\frac{7}{9}$

- Think about how write the following as an improper fraction...talk about it with your partner.

- 16

- Solve it

PRACTICE IN YOUR NOTEBOOK

• $1 \frac{2}{7}$

• $3 \frac{3}{5}$

• $7 \frac{3}{7}$

• $2 \frac{5}{6}$