Unit 4 Module 3 Session 3

Problems & Investigations-Pattern Block Fractions

Getting Ready-

- TM T3 Pattern Block Fractions
- SB 130 More Pattern Block Fractions
- Pattern blocks (see Preparation)
- One piece of 6" × 9" dark colored construction paper for each student
- Clear spinner

Getting Ready Con't.

- ™ T4 Work Place Guide 4D Hexagon Spin & Fill
- ™ T5 4D Hexagon Spin & Fill Record Sheet
- SB 131 Work Place Instructions 4D Hexagon Spin & Fill

Vocabulary

Common fractions

Compare

Denominator

Fraction

Greatest

Least

Less than

More than

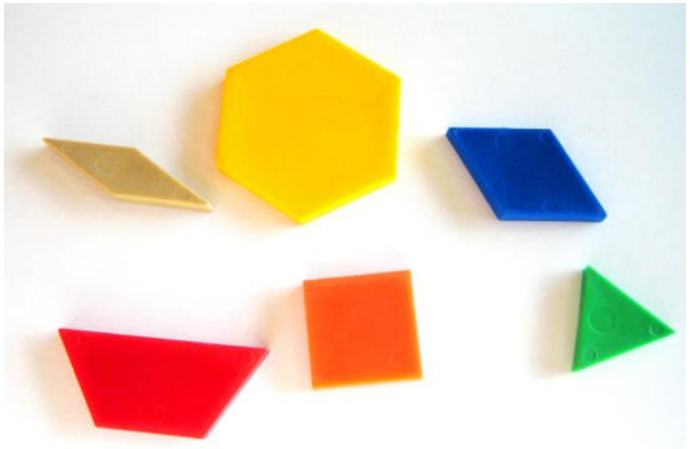
Numerator

Order

Unit fraction

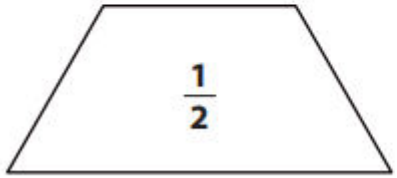
- Demonstrate an understanding of a unit fraction
- Identify equivalent fractions by comparing their size
- Recognize and generate simple equivalent fractions; explain why two fractions must be equivalent
- Recognize fractions that are equivalent to whole numbers
- Compare two fractions; use the symbols >, =, and <

Pass out 6x9 piece of dark paper and pattern blocks.



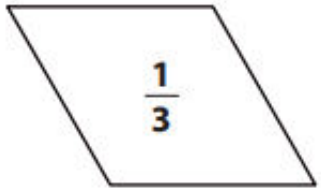
Pattern Block Fractions

1 If this is $\frac{1}{2}$ of the shape, what does the whole shape look like? Can you find more than one solution?



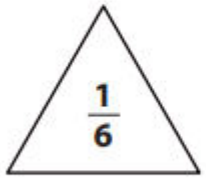
Samples

2 If this is $\frac{1}{3}$ of the shape, what does the whole shape look like? Can you find more than one solution?

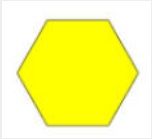


Samples

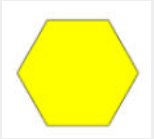
3 If this is $\frac{1}{6}$ of the shape, what does the whole shape look like? Can you find more than one solution?



Samples

If a hexagon  is a whole, what fraction does the

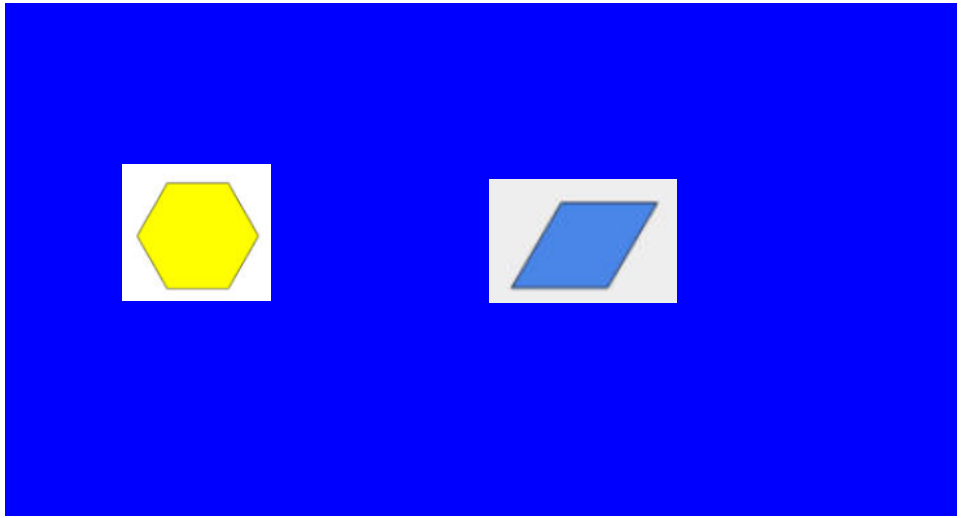
trapezoid  represent?

If a hexagon  is a whole, what fraction does the

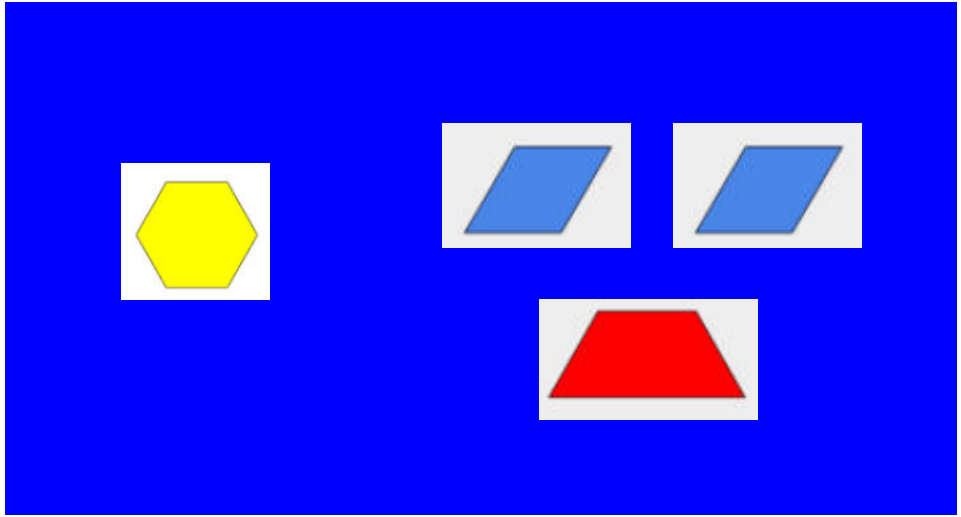
rhombus  represent?

What are three ways to write what 2 trapezoids make?

Set out a hexagon and the block that shows ⅓ (rhombus)



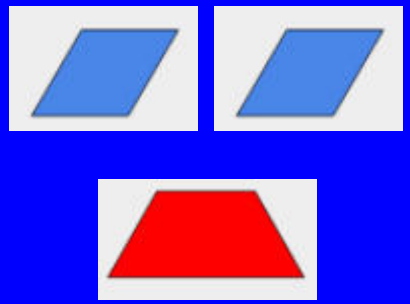
Now set out 2 rhombuses



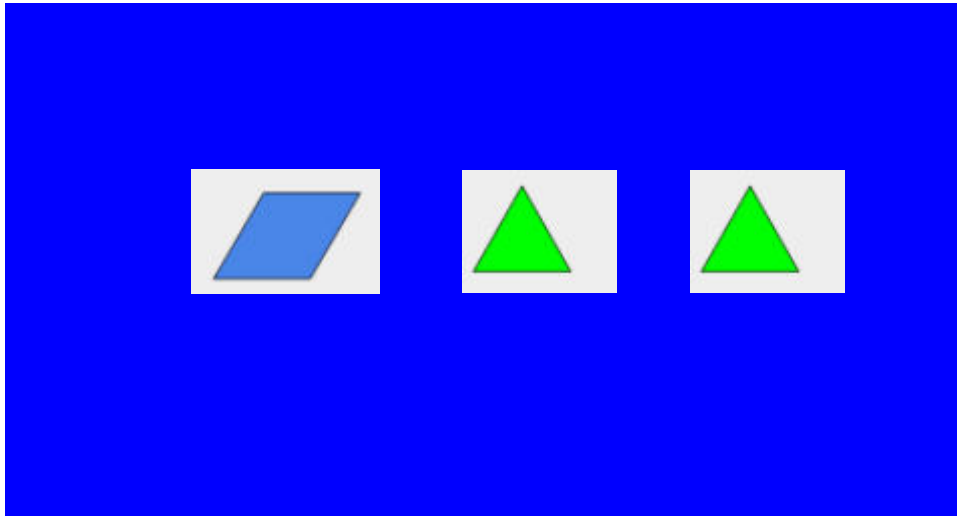
How do they compare to a ½? (trapezoid)

(Set the blocks on top of each other to compare)

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

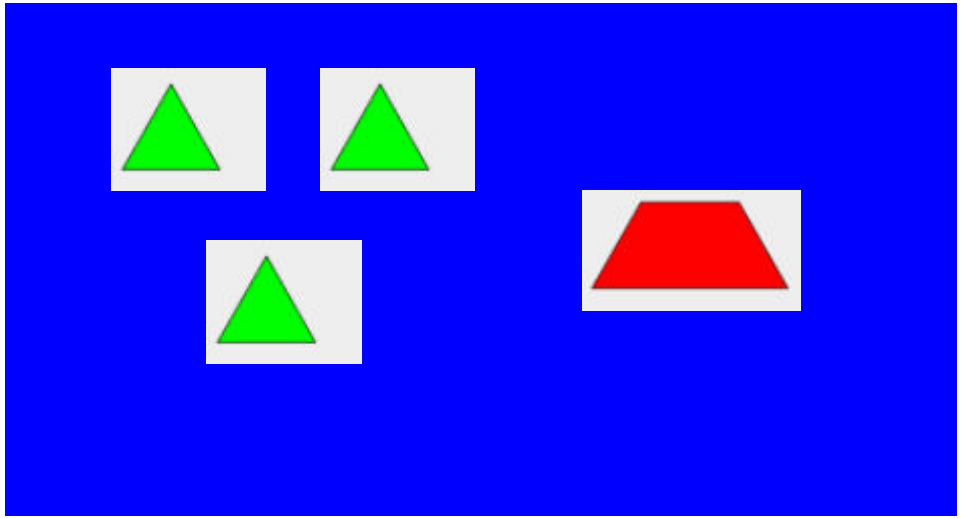


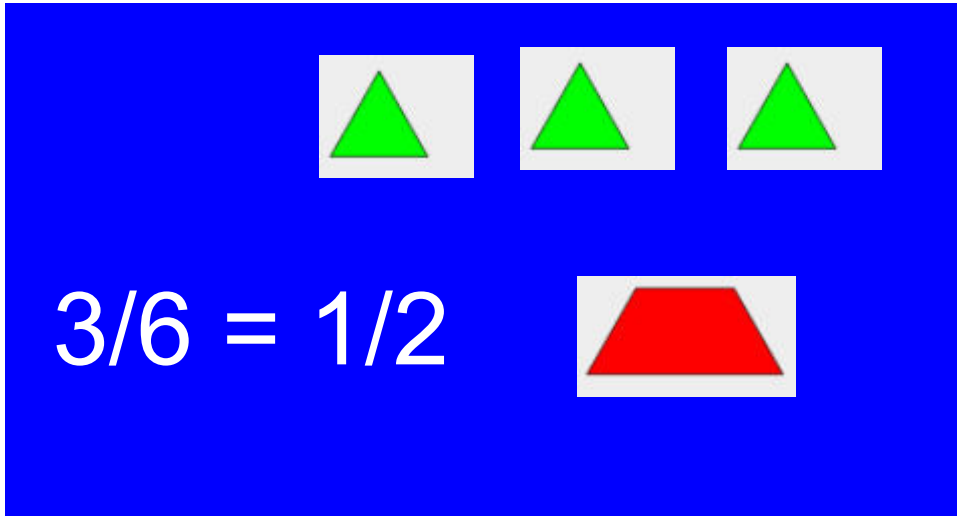
Compare 2/6 to 1/3



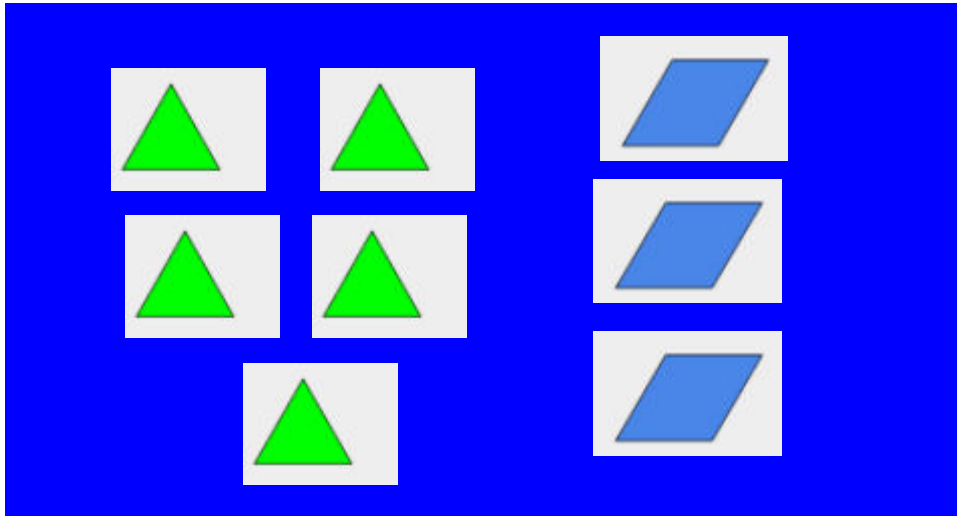
2/6 = 1/3

Compare 3/6 and 1/2

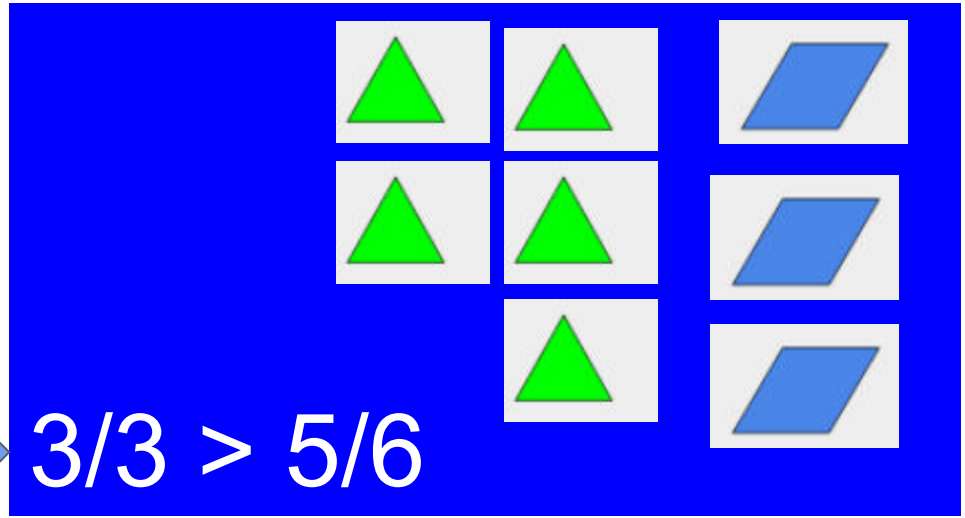



3/6 = 1/2

Compare 3/3 and 5/6



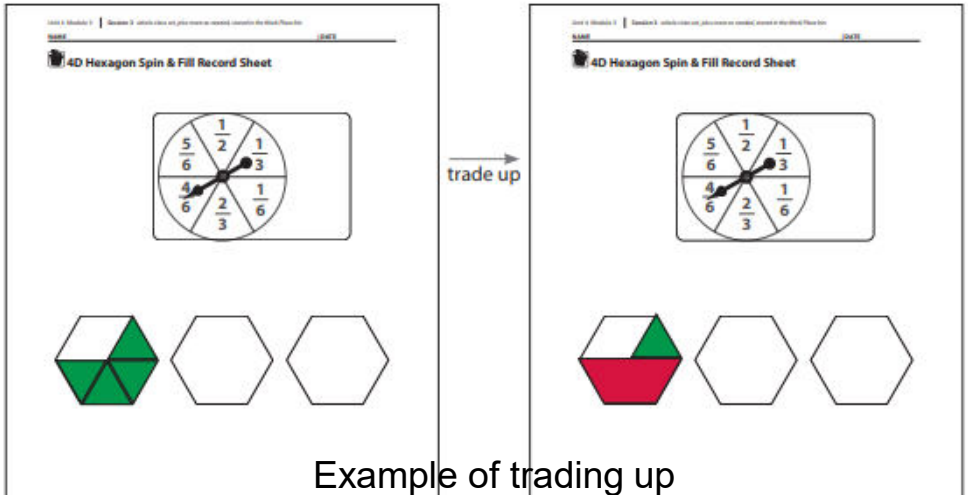
What is 3/3 = to?



Work Places

Introduce 4D Hexagon Spin & Fill

- ™ T4 Work Place Guide 4D Hexagon Spin & Fill
- ™ T5 4D Hexagon Spin & Fill Record Sheet
- SB 131 Work Place Instructions 4D Hexagon Spin & Fill



Example of trading up

Work Place Link

Work Places

3C Round Ball Hundreds

3D Round & Add Hundreds

4A Tic-Tac-Tock

4B Measurement Scavenger Hunt

4C Target One Thousand

4D Hexagon Spin & Fill

Daily Practice

SB 132 Comparing Fractions

Home Connection

HC 73-74 Measurement & Fractions