

# Framework for Learning:

# Fraction Introduction Pattern Blocks – 1

Leader's Name: .....

Co-Leader's Name: .....

Instructor's Initials: .....

## Getting Started:

In **UMath X** follow the path in the **Content Menu**:

**Fractions > The Meaning of Fractions > Introduction – Think, Write, Say**

Select and work through the Sub Lessons: **Circles> Squares> Balls> Examples**

Now **talk** about the main ideas in the above sub lessons.  
Then **write** down the main ideas below:



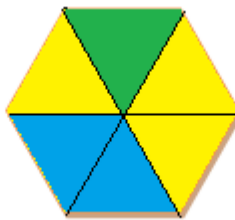
Now return to **UMath X** and follow the path in the **Content Menu**:

**Fractions > The Meaning of Fractions > Pattern Blocks**

Select and work through 4 of 5 of the Sub Lessons:

**Example 1> Example 2> Example 3> Example 4**

Put your computer aside when you get to **Example 5**.



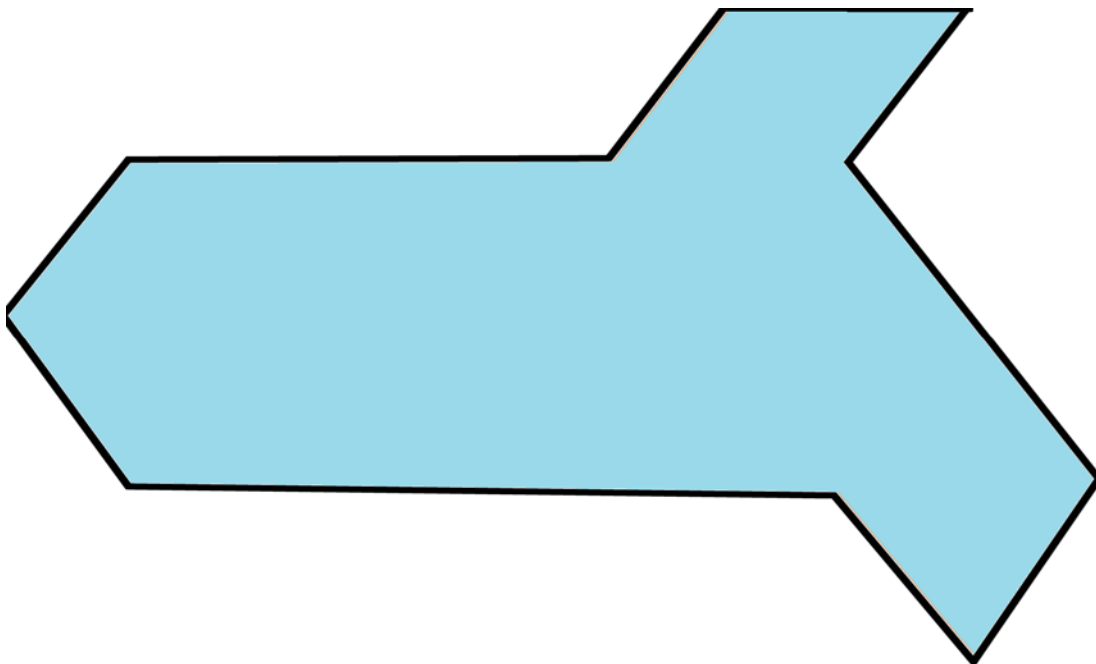
**Talk** about the main ideas in the above sub lessons.

**Write** down the main ideas below.

## Working At It:

Work away from the computer.

Use pattern blocks to cover the shape below with **only yellow, red and blue** pattern blocks. (not green)



The largest face of the **yellow** pattern block is called a \_\_\_\_\_.

The largest face of the **red** pattern block is called a \_\_\_\_\_.

The largest face of the **blue** pattern block is called a \_\_\_\_\_.

What fraction of the design is yellow? \_\_\_\_\_

What fraction of the design is red? \_\_\_\_\_

What fraction of the design is blue? \_\_\_\_\_

Now leave the yellow, blue and red blocks in place but cover all block with green blocks.

Now name each of the fractions above in another way. (We are dealing with **equivalent fractions**)

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## Reflect and Connect:

Now return to a computer and login into **UMath X** and navigate to the **Content Menu: Fractions > The Meaning of Fractions > Pattern Blocks > Example 5**

**Work through Example 5 to check your work in the WORKING AT IT section above.**

**Talk**, and then **write** about fractions with different names.

Now design a question for your group.

**Build It. Draw It. Talk It. Write It. Now you OWN It!**



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