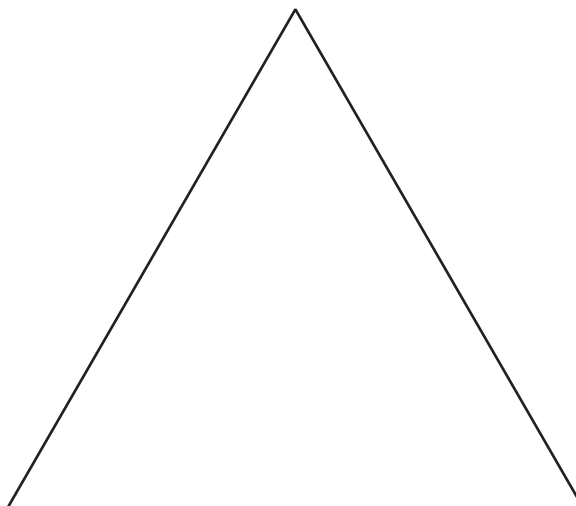# Section A: Practice Problems

1.



a. Fill in the puzzle using only triangle pattern blocks.
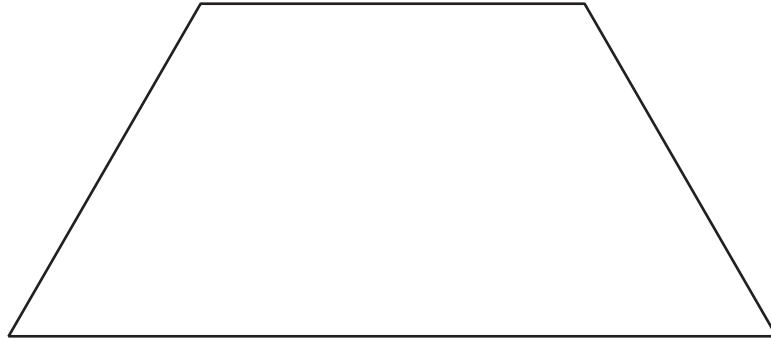
b. How many pattern blocks did you use?

_____

c. Now fill in the puzzle using any pattern blocks you choose.

d. How many pattern blocks did you use?

_____

(From Unit 7, Lesson 1.)

2.  a. Fill in the puzzle using only green triangle and blue rhombus pattern blocks.

   b. Did you use more ▲ or ▰ blocks?

      green triangle    blue rhombus

   Circle the shape that you used more of.

   c. Fill in the puzzle a different way using only green triangle and blue rhombus pattern blocks.

   d. Did you use more ▲ or ▰ blocks?
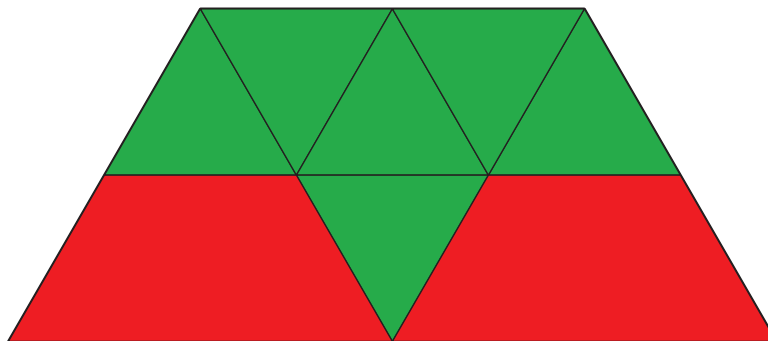
      green triangle    blue rhombus

   Circle the shape that you used more of.

   (From Unit 7, Lesson 2.)

## 3. Mai built this shape.



a. How many  blocks did Mai use?

green triangle

_____

b. How many  blocks did Mai use?

red trapezoid

_____

(From Unit 7, Lesson 3.)

4. Build a shape with pattern blocks that matches the equation.

$$5 + 1 = 6$$

(From Unit 7, Lesson 4.)

5. Lin put 8 pattern blocks together to make a shape. Then Lin took away 3 of the pattern blocks.

How many pattern blocks are in Lin's shape now?

(From Unit 7, Lesson 5.)

6. Clare used 10 pattern blocks to make a puzzle. She used trapezoids and triangles.

   How many trapezoids did Clare use?
   Then how many triangles did Clare use?

   _____                    _____

   (From Unit 7, Lesson 6.)

7. **Exploration**

   a. Fill in the pattern block puzzle.

   

   b. How many pattern blocks did you use?

   _____

   c. Can you fill the puzzle using 10 pattern blocks?

8. **Exploration**

a. Fill in the puzzle.

   Use only 10 pattern blocks, some red trapezoids and some blue rhombuses.

b. Write numbers to show how many blocks you used.

   I used _____ trapezoids

   and _____ rhombuses.

c. Can you fill in the puzzle with a different number of red trapezoid and blue rhombus blocks?

   Use only 10 pattern blocks, some red trapezoids and some blue rhombuses.