

Directions for Pattern Blocks Station

1. For one minute, familiarize yourself with the Pattern Blocks. For the following questions, work only with the blue hexagon, red trapezoid, blue diamond, and green triangle. Disregard the white rhombus and the orange square.
2. Find two Pattern Blocks that illustrate one block is $\frac{1}{2}$ of the other block.
3. Find another two Pattern Blocks that illustrate one block is $\frac{1}{2}$ of the other block.
4. How many different pairs of Pattern Blocks can you find such that one is $\frac{1}{2}$ of the other?
5. Find two Pattern Blocks that illustrate one block is $\frac{1}{3}$ of the other block.
6. Find another two Pattern Blocks that illustrate one block is $\frac{1}{3}$ of the other block.
7. How many different pairs of Pattern Blocks can you find such that one is $\frac{1}{3}$ of the other?
8. Now suppose that you can work with more than just two blocks at once. Use as many blocks as you need to illustrate $\frac{2}{3}$.
9. Find another way to use the blocks to illustrate $\frac{2}{3}$.
10. Can you find some additional ways to illustrate $\frac{2}{3}$?
11. Use the blocks to illustrate fractions such as $\frac{5}{12}$, $\frac{4}{9}$, $\frac{3}{10}$, and $\frac{5}{8}$.