Pattern Block Equivalent Fractions

1 Whole

1/2

1/3

1/4

1/6

1/8
Pattern Block Equivalent Fractions

1 Whole

___ + ___

___ + ___

___ + ___

___ + ___
Pattern Block Equivalent Fractions

How many \( \triangle \) (equal) Cover \( \square \) ?

How many \( \triangle \) (equal) Cover \( \diamond \) ?

How many \( \square \) (equal) Cover \( \bigcirc \) ?

How many \( \bigtriangleup \) (equal) Cover \( \bigcirc \) ?

How many \( \bigtriangleup \) (equal) Cover \( \bigcirc \) ?
Pattern Block Equivalent Fractions

What is the largest piece that can fit in the pieces? How many times will it fit?

$$\frac{3}{6} = {?}$$

$$\frac{4}{6} = {?}$$

$$\frac{6}{6} = {?}$$

$$\frac{2}{4} = {?}$$

$$\frac{2}{12} = {?}$$

$$\frac{3}{12} = {?}$$
\[
\begin{align*}
\frac{8}{12} &= \_ \\
\frac{9}{12} &= \_ \\
\frac{6}{12} &= \_ \\
\frac{4}{12} &= \_ \\
\frac{4}{6} &= \_
\end{align*}
\]
Show 4 different ways to show \( \frac{4}{4} \).
Show 7 different ways to show $\frac{6}{6}$. 
Show 3 different ways to show $\frac{3}{6}$.

Show 4 different ways to show $\frac{4}{4}$.
Show the following equations using Pattern Blocks:
- Explain your answer to your neighbor
- Explain your answer in your journal

\[
\frac{1}{6} + \frac{1}{3} = \frac{3}{6} \quad \text{or} \quad \frac{1}{2} \\
\frac{5}{6} - \frac{2}{3} = \frac{1}{6}
\]

\[
\frac{1}{6} + \frac{2}{3} = \frac{5}{6} \\
\frac{4}{6} - \frac{1}{3} = \frac{2}{6} \quad \text{or} \quad \frac{1}{3}
\]

\[
\frac{2}{6} + \frac{1}{3} = \frac{4}{6} \quad \text{or} \quad \frac{2}{3} \\
\frac{6}{6} - \frac{2}{3} = \frac{2}{6} \quad \text{or} \quad \frac{1}{3}
\]

\[
\frac{2}{6} + \frac{2}{3} = \frac{6}{6} \quad \text{or} \quad 1 \\
\frac{4}{6} - \frac{1}{2} = \frac{1}{6}
\]

\[
\frac{1}{6} + \frac{1}{2} = \frac{4}{6} \quad \text{or} \quad \frac{2}{3} \\
\frac{5}{6} - \frac{1}{3} = \frac{1}{2}
\]

\[
\frac{3}{6} - \frac{1}{3} = \frac{1}{6} \\
\frac{1}{2} + \frac{1}{3} = \frac{5}{6}
\]