

CHANGING WHOLE: PATTERN BLOCK CHALLENGE

UNIT F Compose and decompose fractions flexibility with models and symbols

SAMPLE 1

This student appears to have counted-on using unit fractions.

Using the Pattern Blocks

- If a hexagon is worth 1, what is:
 - one green triangle worth? $= \frac{1}{6}$
 - one red trapezoid worth? $= \frac{1}{2}$
 - one blue rhombus worth? $= \frac{1}{3}$
 - three green triangles worth? $= \frac{3}{6}$
 - two blue rhombi worth? $= \frac{2}{3}$
 - six red trapezoids worth? $= 3$

Notice how this student shows that one whole is made up of 6 one-sixths.

Counting by unit fractions is a strategy this student uses consistently.

This student used shading to demonstrate visually that $\frac{3}{6}$ is equal to $\frac{1}{2}$.