

# 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  $\frac{1}{2}$ .