

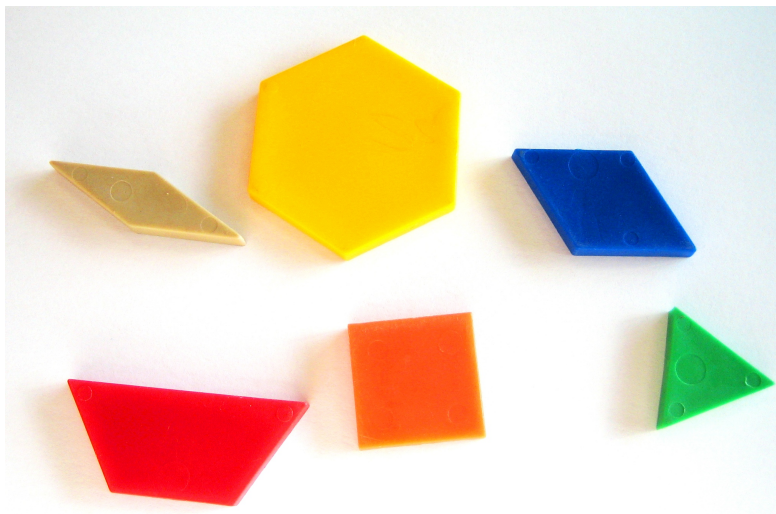


Problem of the Week

Problem B

Fraction Action

For this activity, you will need a set of pattern blocks, as shown below.



- a)(i) Suppose that the large yellow hexagonal pattern block represent one whole. Use your pattern blocks to discover what fraction is represented by each of the other three shapes listed below.

Hexagon = 1; Blue Rhombus = ___; Green Triangle = ___;

Red Trapezoid = ___.

- (ii) What is the total value of the collection of four shapes listed in part i)?
- (iii) Using the values from part i) and as many of each of those four shapes as needed, make a collection of shapes with total value $2\frac{5}{6}$.
- b)(i) Suppose that the Blue Rhombus is now worth only $\frac{1}{6}$. What fraction would each of the shapes now represent?

Hexagon = ___; Blue Rhombus = $\frac{1}{6}$; Green Triangle = ___;

Red Trapezoid = ___.

- (ii) Using these new values, make a collection of shapes with total value $2\frac{2}{3}$.

STRANDS NUMBER SENSE AND NUMERATION, GEOMETRY AND SPATIAL SENSE

