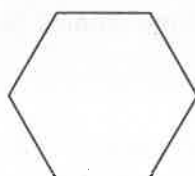


TEACHER:

Your students will need pattern blocks for this exercise, or a copy of the pattern blocks blackline master.



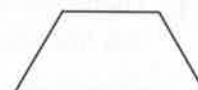
hexagon



triangle



rhombus



trapezoid

NOTE: The blocks shown here are not actual size!

Euclid's Bakery sells hexagonal pies. They sell pieces shaped like triangles, rhombuses and trapezoids.

1. A hexagon represents a whole pie.



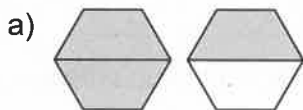
a) Shade $2\frac{1}{6}$ pies.



b) How many pieces did you shade? _____

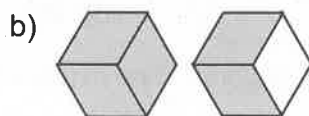
c) Write an improper fraction for the amount of pie shaded. _____

2. Make a model of the pies below with pattern blocks. (Place the smaller shapes on top of the hexagons.) Then write a mixed and improper fraction for each pie.



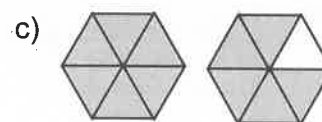
Mixed Fraction: _____

Improper Fraction: _____



Mixed Fraction: _____

Improper Fraction: _____



Mixed Fraction: _____

Improper Fraction: _____

3. Use the hexagon as the whole pie.

Use the triangles, rhombuses, and trapezoids as the pieces.

Make a pattern block model of the fractions below. Then sketch your models on the grid.

a) $2\frac{1}{2}$

b) $1\frac{1}{2}$

c) $2\frac{1}{6}$

d) $1\frac{5}{6}$

e) $1\frac{2}{3}$

f) $3\frac{1}{3}$