

Bringing Mathematics Home 3

Fraction Activities with Pattern Blocks

**With your grades K-3 children:**

Allow your child to explore a collection of pattern blocks.

- A) Ask him/her to make the yellow hexagon out of other blocks in as many ways as possible.
- B) Ask him/her to describe each color as a fraction of the yellow hexagon.

With your grades 4-8 children:

Allow your child to explore a collection of pattern blocks.

- A) Ask him/her to describe each color as a fraction of the yellow hexagon.
- B) Pose some of the "Sharing Cookies" or "Pattern Block Chart" problems. Ask your child to think out loud so that you can better understand his/her thinking about fractions.

With your grades 9-12 children:

Ask your child how he/she would explain fractions to a younger sibling or friend. Ask your son/daughter to consider some of these questions:

- A) What are the most important fraction ideas to convey to someone just learning fractions?
- B) What pictures or models would you use to explain fractions to someone?
- C) What ideas about fractions did you find the most challenging to learn?