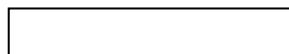


# Parent-Child Connection

## Story Problems

**Materials needed:** Story Problem sheet; paper strips (1" x 8.5)



### Background:

- Story problems can help students make sense of fractions, particularly if students draw pictures or used objects to act out the story problem.
- Let's consider this story: William's dad ran  $\frac{3}{4}$  of a mile on Monday; he ran  $\frac{3}{6}$  of a mile on Tuesday. Which day did he run less?
- A student can use paper strips to act out the problem by folding one strip into 4 equal parts, shading three and by folding a second strip into 6 equal parts, shading 3. Then the two paper strips can be compared to find out which fraction is smaller.



### Activity:

- Ask your child to solve each story problem by folding paper strips to represent the fractions in the story and comparing the strips.
- You also may want your child to guess first and then use the paper strips to check the guess.

## Fraction Story Problems

Use paper strips to model each fraction in the stories.  
Then compare the paper strips to answer the questions.

1. Mr. Vega made a large pan of brownies. His daughter, Liana, ate an amount equal to  $\frac{1}{2}$  of the pan of brownies. His son, Rodrigo, ate an amount equal to  $\frac{1}{3}$  of the pan of brownies. Who ate more?
2. Kafiya and Miah shared a bag of candy. Kafiya ate  $\frac{2}{3}$  of the candy while Miah ate  $\frac{1}{4}$  of the candy. Who ate the smaller amount?
3. Carl ran  $\frac{3}{4}$  of a mile. His friend Janis ran  $\frac{5}{6}$  of a mile. Who ran the longer distance?
4. Sue and Maria are on the school's track team. Sue's long jump was recorded as  $3\frac{2}{3}$  feet. Maria jumped  $3\frac{2}{6}$  feet. Who jumped a longer distance?
5. Billy made pancakes. He used  $\frac{2}{3}$  cup of milk in his recipe. Anton made pancakes. He used  $\frac{4}{6}$  cup of milk in his recipe. Who used more?