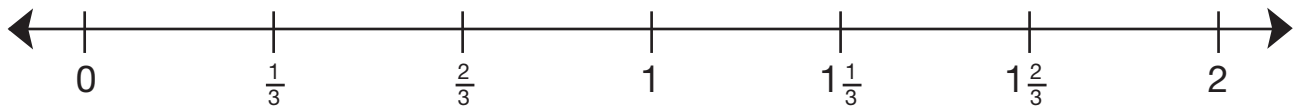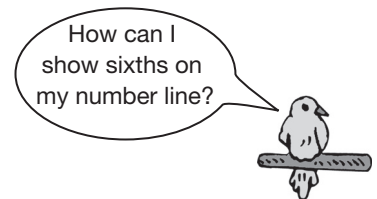# Estimate Fraction Sums
with Number Lines

Use the number lines to solve these problems.

1. At the fabric store, sequins are sold in long strips wrapped on spools. Linda's mother needs 2 yards of sequins to make costumes for the skating show. She found $\frac{1}{2}$ yard of sequins remaining on one spool and $\frac{2}{3}$ yard of sequins remaining on another spool. Did Linda's mother find enough sequins for the costumes? Explain your reasoning.

2. Maya walked $\frac{2}{3}$ of a mile on Saturday. She walked $\frac{1}{6}$ of a mile on Sunday. Did she walk a full mile altogether? Explain how you decided.

> How can I show sixths on my number line?

3. Keenya divided a candy bar into 12 equal parts. She ate $\frac{1}{6}$ of the candy bar on Wednesday. She ate $\frac{1}{4}$ of the candy bar on Thursday. Did she eat more or less than of the candy bar? Explain your reasoning.

4. Luis made cookies with his mother. He used $2\frac{3}{4}$ cups of flour in the sugar cookie recipe and $1\frac{1}{2}$ cups of flour in the oatmeal cookie recipe. Did he use more or less than 4 cups of flour altogether? Show or tell how you decided.

5. Estimate the sums for each problem. Decide if the sum will be greater or less than one.

A. $\frac{1}{2} + \frac{2}{5}$ **B.** $\frac{1}{8} + \frac{11}{12}$ **C.** $\frac{1}{6} + \frac{5}{12}$

D. Explain your reasoning for Question 5B.