

### Dividing Fractions in Context

1. Suppose you have  $2\frac{1}{2}$  apples. If a student serving consists of  $\frac{3}{4}$  of an apple, how many student servings (including parts of a serving) can you make? (M)
2. Suppose instead that you have  $1\frac{1}{2}$  apples. If this is enough to make  $\frac{3}{5}$  of an adult serving, how many apples (and parts of an apple) make up one adult serving? (P)
3. Emma is making posters by hand to advertise her school play, but her posters are not the same length as a standard sheet of paper (the width is the same, though). She has  $3\frac{1}{2}$  sheets of paper left over, which she says is enough to make  $2\frac{1}{3}$  posters. How many sheets of paper (and parts of a sheet) does each poster use? (P)
4. If Connor is also making posters, but his posters only use  $\frac{2}{3}$  of a sheet of paper, how many of Connor's posters will those  $3\frac{1}{2}$  sheets of paper make? (M)
5. Lura is tying ribbons in bows on boxes. She uses  $2\frac{1}{4}$  feet of ribbon on each box. If she has  $7\frac{1}{2}$  feet of ribbon left, how many bows (or parts of a bow) can she make? (M)
6. Audrey is also tying ribbons into bows. Audrey sees the same  $7\frac{1}{2}$  feet of ribbon measured out and says, "Since my bows are bigger than Lura's, that's only enough for me to make  $2\frac{1}{4}$  bows." How much ribbon does Audrey use on each bow? (P)
7. Alex has been serving  $\frac{2}{3}$  cup of lemonade to each student. If he has  $1\frac{1}{2}$  cups of lemonade left, how many students can still get lemonade? How much of a serving will the last student get? (M)
8.  $3\frac{1}{2}$  cups of lemonade will fill  $2\frac{1}{3}$  glasses. How many cups of lemonade does each glass hold? (P)