

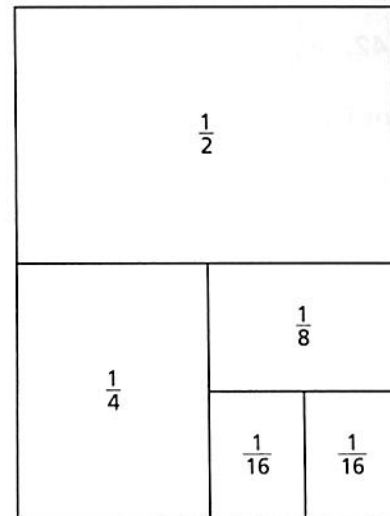
For Exercises 28–30, use the sample magazine page shown.

- 28.** A local magazine sells space for ads. It charges advertisers according to the fraction of a page purchased.
- Advertisers purchase $\frac{1}{8}$ and $\frac{1}{16}$ of page 20. What fraction of the page is used for ads?
 - What fraction of page 20 remains available for other uses? Explain.

- 29.** The Cool Sub Shop is having its grand opening. The owner buys three $\frac{1}{4}$ -page ads, four $\frac{1}{8}$ -page ads, and ten $\frac{1}{16}$ -page ads. What is the total amount of ad space that the owner buys?

- 30.** A local concert promoter purchases $2\frac{3}{4}$ pages of ads. When one of the concerts is canceled, the promoter cancels $1\frac{5}{8}$ pages of ads. How much advertising space is the concert promoter actually using?

Sample Magazine Page



- 31.** Rico and his friend eat some lasagna. Rico eats $\frac{1}{9}$ of the lasagna, and his friend eats $\frac{1}{18}$ of the lasagna. How much of the lasagna is left?
- 32.** Sonia finds a $\frac{3}{4}$ -full small bag of chips. She eats the rest of the chips in the bag. Then she opens another small bag of chips. Sonia eats $\frac{1}{8}$ of those chips. What fraction of a small bag of chips does Sonia eat altogether?

For Exercises 33–36, find each sum or difference.

33. $1\frac{2}{5} + 1\frac{1}{3}$

34. $2\frac{1}{8} + 3\frac{3}{4} + 1\frac{1}{2}$

35. $11\frac{1}{2} - 2\frac{2}{3}$

36. $8\frac{11}{12} - 2\frac{3}{4}$

For Exercises 37–38, determine which sum or difference is greater. Show your work.

37. $\frac{2}{3} + \frac{5}{6}$ or $\frac{3}{4} + \frac{4}{5}$

38. $\frac{7}{6} - \frac{2}{3}$ or $\frac{3}{5} - \frac{5}{10}$