- Sample answer: You can use ratios or rates to represent related quantities with the same or different units in a problem. Then you can divide or multiply to find unit rates and other equivalent ratios, which is a way to find other pairs of related quantities. Unit rates can also make it easier to compare two or more ratios.
- 2. \$21.98 2 \$26.25 3 \$10.99 1 \$8.75 1

The dried apricots are less expensive, by \$2.24 per pound.

- Sample answer: Given a ratio, its unit rate is one of the equivalent ratios you can find. A unit rate and any other equivalent ratio represent the same relationship between the two quantities in the given ratio.
- 4. Plan 1; She will save \$120 over 1 year.
- Pam will read 210 pages in 5 hours, so she will not finish the book. Zack will read 225 pages in 5 hours, so he will be able to finish the book.
- Nora can make 40 spring rolls in 50 minutes. Eli can make 40 spring rolls in 48 minutes. Eli will finish first.
- 7.
   9,780
   5
   11,928
   6

   1,956
   1
   1,988
   1

David 1,988 - 1,956 = 32

- 8. \$29.45 5
  \$5.89 1
  \$5.89
  9. 18-ounce package
- 10. \$5.70
- 11. 10 tutors
- 12. \$0.70 per mile; \$32.90
- 13. a. Company C b. \$2.26
- 14. a. \$1.23 per hourb. The contractor's unit price is per dozen pairs, not per pair of gloves.
- 15. A package of the 6.5-oz cans has the lowest price.
- 16. a. Sample answer: No; 2 batches of mac-and-cheese require 12 ounces of cheese. 3 pizzas require 24 ounces of cheese. Lena needs 36 ounces of cheese in total, so the 32-oz package is not enough.

b. Sample answer: 9.5 tablespoons;
1 batch of mac-and-cheese requires
2 tablespoons of basil. 3 pizzas
require 7.5 tablespoons of basil.
Lena needs 2 + 7.5 or 9.5
tablespoons of basil.

17. A, C, E