Find each unit rate. Round to the nearest hundredth if necessary.

1. $240 for 4 days
2. 250 people in 5 buses
3. 3,500 miles in 10 hours
4. $18 for 24 pounds
5. 245 tickets in 5 days
6. 12 classes in 4 semesters
7. 20 people in 4 groups
8. 1.5 pounds for $3.00
9. 360 miles on 12 gallons
10. $8.50 for 5 yards
11. 24 cups for $1.20
12. 160 words in 4 minutes
13. During Tracy’s trip across the country, she traveled 2,884 miles. Her trip took 7 days. Find a unit rate to represent the average miles she traveled per day during the trip.

14. Randall recorded 8 songs on his most recent CD. The total length of the CD is 49 minutes. Find a unit rate to represent the average length per song on the CD. Round to the nearest hundredth.

15. Hana paid $1,200 for the carpet in her living room. The room has an area of 251.2 square feet. What was her unit cost of carpeting in dollars per square foot? Round to the nearest cent.

Simplify:

16. \(\frac{1}{3}\) \(\frac{3}{4}\)

17. \(\frac{5}{6}\)

18. \(\frac{3}{4}\) \(\frac{8}{3}\)

19. \(\frac{3}{2}\) \(\frac{3}{3}\)
20. Caroline drove 350 miles to her grandmother’s house. The trip took her \(5 \frac{1}{4}\) hours. What was her average speed in miles per hour?

21. A small airplane used \(5 \frac{2}{3}\) gallons of fuel to fly a 2 hour trip. How many gallons were used each hour?

22. Anita is making a curtain to surround a table. She bought \(3 \frac{1}{4}\) yards of fabric. Her total cost was $13. What was the cost per yard?