

Name: \_\_\_\_\_

# Practice & Problem Solving

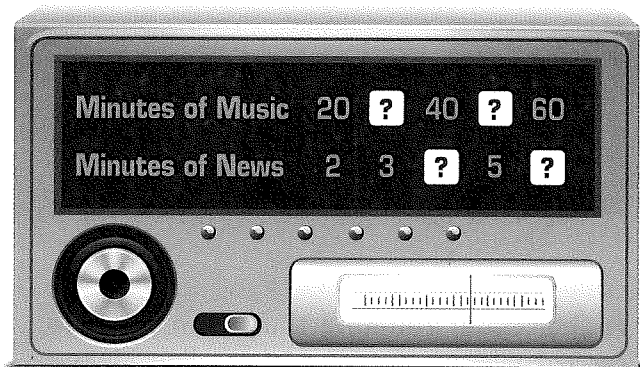


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In 7–10, use the ratio table at the right.

7. Local radio station *WMTH* schedules 2 minutes of news for every 20 minutes of music. Complete the ratios shown in the table at the right.

8. What is the ratio of minutes of music to minutes of news?



9. Radio station *WILM* broadcasts 4 minutes of news for every 25 minutes of music. Which radio station broadcasts more news each hour?

10. Which station will have to be on the air longer to broadcast 4 minutes of news? Explain.

11. **Reasoning** The ratio tables at the right show the comparison of books to games for sale at Bert's Store and at Gloria's Store. Complete the ratio tables. Which store has the greater ratio of books to games? Explain.

**Bert's Store**

Books	4				
Games	6				

**Gloria's Store**

Books	5				
Games	8				

12. The ratio of soy sauce to lime juice in a homemade salad dressing is 7:6. The ratio of soy sauce to lime juice in a store-bought dressing is 11:9. Which dressing has the greater ratio of soy sauce to lime juice?

**Homemade Salad Dressing**

Soy Sauce	7				
Lime Juice	6				

**Store-Bought Salad Dressing**

Soy Sauce	11				
Lime Juice	9				



13. One bouquet of flowers has 3 roses for every 5 carnations. Another bouquet has 4 carnations for every 5 daisies. If both bouquets have 20 carnations, which bouquet has more flowers?

**Roses and Carnations**

Roses	3				
Carnations	5				

**Carnations and Daisies**

Carnations	4				
Daisies	5				

14. **Higher Order Thinking** Lauren can drive her car 320 miles on 10 gallons of gasoline. Melissa can drive her car 280 miles on 8 gallons of gasoline. Who can drive farther on 40 gallons of gasoline? Complete the ratio tables to justify your solution.

**Lauren's Car**

Miles Driven					
Gallons					

**Melissa's Car**

Miles Driven					
Gallons					

## Assessment Practice

15. Fran buys socks in packages that contain 9 pairs of white socks for every 3 pairs of blue socks. Mia buys socks in packages with a ratio of 2 blue pairs to 4 white pairs. If the girls each bought 6 pairs of blue socks, how many pairs of white socks would each have bought?

PART A

Complete the ratio tables.

**Fran's Sock Packages**

White Socks				
Blue Socks				

**Mia's Sock Packages**

White Socks				
Blue Socks				

PART B

Explain how you can solve this problem.

