

6.1**Practice**

For use with pages 269–274

Tell whether the ratio is in simplest form. If not, write it in simplest form.
Then, write the ratio in two other ways.

1. 4 to 18

2. 4 : 6

3. $\frac{7}{9}$

4. $\frac{39}{13}$

5. 28 : 21

6. 17 to 44

7. 44 : 16

8. 63 to 18

9. $\frac{48}{28}$

Order the ratios from least to greatest.

10. 7 : 2, 12 to 4, $\frac{20}{6}$, 21 to 14, 10 : 5

11. $\frac{12}{16}$, 7 to 10, 8 : 12, 9 to 15, $\frac{4}{18}$

Find the unit rate.

12. $\frac{72 \text{ people}}{3 \text{ buses}}$

13. $\frac{20 \text{ ounces}}{2.5 \text{ servings}}$

14. $\frac{288 \text{ mi}}{12 \text{ gal}}$

15. $\frac{10.4 \text{ gal}}{4 \text{ min}}$

16. $\frac{1125 \text{ calories}}{4.5 \text{ hours}}$

17. $\frac{\$375}{15 \text{ shares}}$

6.1

Continued

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Tell whether the ratios are equivalent.

18. $\frac{12}{9}$ and $\frac{24}{18}$

19. 14 : 4 and 21 : 8

20. 8 to 21 and 48 to 126

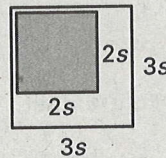
Write the equivalent rate.

21. $\frac{8 \text{ calls}}{1 \text{ hour}} = \frac{? \text{ calls}}{1 \text{ day}}$

22. $\frac{1400 \text{ students}}{40 \text{ teachers}} = \frac{? \text{ students}}{1 \text{ teacher}}$

23. $\frac{12 \text{ km}}{1 \text{ h}} = \frac{? \text{ m}}{1 \text{ min}}$

24. Find the ratio of the area of the shaded square region to the area of the unshaded square region.



25. One box of cereal is 20 ounces and costs \$3. A smaller box of the same type of cereal is 12 ounces and costs \$2. Which box of cereal is the better buy? Explain.