

LESSON
2.6**Practice A***For use with the lesson "Write Ratios and Proportions"***Tell whether the ratio is in simplest form. If not, write it in simplest form.**

1. 15 to 27

2. 7:18

3. $\frac{11}{55}$

4. 16 to 5

5. 18:3

6. $\frac{42}{14}$

Solve the proportion.

7. $\frac{3}{4} = \frac{x}{8}$

8. $\frac{1}{5} = \frac{m}{30}$

9. $\frac{5}{20} = \frac{a}{4}$

10. $\frac{p}{18} = \frac{4}{9}$

11. $\frac{w}{15} = \frac{2}{5}$

12. $\frac{4}{3} = \frac{y}{12}$

13. $\frac{3}{6} = \frac{z}{14}$

14. $\frac{6}{8} = \frac{c}{12}$

15. $\frac{n}{8} = \frac{9}{12}$

Match the sentence with its proportion. Then solve the proportion.

16. 7 is to 4 as x is to 6.

17. 6 is to x as 4 is to 7.

18. x is to 7 as 4 is to 6.

A. $\frac{x}{7} = \frac{4}{6}$

B. $\frac{7}{4} = \frac{x}{6}$

C. $\frac{6}{x} = \frac{4}{7}$

19. Rainy Days Last year, it rained 18 days during a 90-day period.

- Find the ratio in lowest terms of the number of rainy days to the total number of days in the period.
- Find the ratio in lowest terms of the number of days it didn't rain to the total number of days in the period.
- Find the ratio in lowest terms of the number of rainy days to the number of days it didn't rain.

20. Vegetable Garden You are planting the following vegetables in your vegetable garden.

Plant	Tomato	Pepper	Bean
Number of plants	8	6	4

- Find the ratio of the number of bean plants to the number of tomato plants.
 - Find the ratio of the number of tomato plants to the number of bean and pepper plants.
 - Find the ratio of the number of pepper plants to the number of all plants.
- 21. Typing** You can type 2 pages of a paper in 30 minutes. How many pages can you type in 3 hours (180 minutes)?
- 22. Invitations** You are making party invitations by hand. It has taken you 45 minutes to make 6 cards. If you continue at this rate, how many cards can you make in 2 hours (120 minutes)?