

Equivalent Ratios

Different Ways to Find Equivalent Ratios

<p>Way 1: Multiply each term by the same number.</p> $\frac{3}{9} = \frac{3 \times 2}{9 \times 2} = \frac{6}{18}$	<p>Way 2: Divide each term by the same number.</p> $\frac{3}{9} = \frac{3 \div 3}{9 \div 3} = \frac{1}{3}$
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Write four equivalent ratios for each.

1. $\frac{2}{5}$

2. 3:7

3. 2 to 9

4. $\frac{1}{6}$

5. 2:4

6. 4 to 7

7. $\frac{6}{5}$

8. 5 to 8

Write each ratio in simplest form.

9. 16:24

10. 35 to 14

11. 20:15

12. 24 to 72

13. 42:14

14. 50 to 75

15. 30:45

16. 28 to 35

Complete each set of equivalent ratios.

17. $\frac{8}{3} = \frac{\square}{24}$

18. $\frac{6}{21} = \frac{\square}{7}$

19. $\frac{13}{52} = \frac{1}{\square}$

Problem Solving

Show Your Work

20. Three copies of a book cost \$20. Write an equivalent ratio to show the cost of 9 copies.
