

Practice 4-4

Simplifying Fractions

Write in simplest form.

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|-------------------------------------|-------------------------------------|
| 1. $\frac{10}{15}$ _____ | 2. $\frac{18}{36}$ _____ |
| 3. $\frac{27}{36}$ _____ | 4. $\frac{12}{15}$ _____ |
| 5. $\frac{26}{39}$ _____ | 6. $\frac{7b}{9b}$ _____ |
| 7. $\frac{16y^3}{20y^4}$ _____ | 8. $\frac{8x}{10y}$ _____ |
| 9. $\frac{6xy}{16y}$ _____ | 10. $\frac{24n^2}{28n}$ _____ |
| 11. $\frac{abc}{10abc}$ _____ | 12. $\frac{30hxy}{54kxy}$ _____ |
| 13. $\frac{mn^2}{pm^5n}$ _____ | 14. $\frac{5jh}{15jh^3}$ _____ |
| 15. $\frac{12h^3k}{16h^2k^2}$ _____ | 16. $\frac{20s^2t^3}{16st^5}$ _____ |

Find two fractions equivalent to each fraction.

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|----------------------------------|--------------------------------|
| 17. $\frac{1}{4}$ _____ | 18. $\frac{2}{3}$ _____ |
| 19. $\frac{3}{5}$ _____ | 20. $\frac{3}{18}$ _____ |
| 21. $\frac{8k}{16k}$ _____ | 22. $\frac{3m}{8n}$ _____ |
| 23. $\frac{5pq}{10p^2q^3}$ _____ | 24. $\frac{3s^2t^2}{7r}$ _____ |

25. Monty completed 18 passes in 30 attempts. What fraction of his passes did Monty complete? Write in simplest form.

26. Five new state quarters will be issued by the United States mint this year. What fraction of the states will have quarters issued this year?
