

# Practice 4-4

## Simplifying Fractions

Write in simplest form.

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| 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.

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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?

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