

Simplify the radicals completely.

1. $\sqrt{64}$

2. $\sqrt{8}$

3. $\sqrt{72}$

4. $\sqrt{12}$

5. $\sqrt{81}$

6. $\sqrt{75}$

7. $\sqrt{80}$

8. $\sqrt{45}$

9. $\sqrt{500}$

10. $\sqrt{192}$

11. $2\sqrt{32}$

12. $4\sqrt{40}$

13. $5\sqrt{49}$

14. $4\sqrt{80}$

15. $\frac{1}{3}\sqrt{27}$

16. $\frac{1}{2}\sqrt{48}$

17. $\frac{2}{3}\sqrt{44}$

18. $\frac{1}{3}\sqrt{36}$

19. $\sqrt{12}\cdot\sqrt{3}$

20. $3\sqrt{3}\cdot\sqrt{6}$

21. $2\sqrt{2}\cdot4\sqrt{3}$

22. $\sqrt{3}\cdot\sqrt{5}\cdot\sqrt{6}$

23. $(\sqrt{7})^2$

24. $(\sqrt{123})^2$

25. $(2\sqrt{3})^2$

26. $(4\sqrt{10})^2$

27. $\sqrt{\frac{81}{100}}$

28. $\sqrt{\frac{4}{25}}$

29. $\sqrt{\frac{3}{64}}$

30. $\sqrt{\frac{7}{144}}$

31. $\frac{1}{\sqrt{2}}$

32. $\frac{9}{\sqrt{3}}$

33. $\frac{12}{\sqrt{8}}$

34. $\frac{3}{\sqrt{9}}$

35. $\frac{8}{\sqrt{4}}$

36. $\frac{\sqrt{18}}{\sqrt{3}}$

37. $\sqrt{\frac{8}{27}}$

38. $\sqrt{\frac{10}{6}}$