

Multiply or divide the following:

1. $\sqrt{25x^2}$

2. $\sqrt{49r^6s^6}$

3. $\sqrt{121b^2}$

4. $\sqrt{75q^3}$

5. $\sqrt{81n^2}$

6. $\sqrt{56a^6b^4}$

7. $\sqrt{36z^4}$

8. $\sqrt{\frac{f^2}{49}}$

9. $\sqrt{64r^2s^2}$

10. $\sqrt{\frac{e^4f^4}{169}}$

11. $\sqrt{100m^4n^4}$

12. $\sqrt{\frac{9}{z^{16}}}$

13. $\sqrt{81c^{15}}$

14. $\sqrt{\frac{x^9}{y^{13}}}$

15. $\sqrt{54m^5n^{25}}$

16. $\sqrt{80b^{19}c^{28}}$

17. $\sqrt{120a^{30}}$

18. $\sqrt{160h^{201}}$

19. $\sqrt{\frac{20}{x^{99}}}$

20. $\sqrt{\frac{52}{324}}$

21. $3\sqrt{5} + 7\sqrt{5}$

22. $\sqrt{27} - \sqrt{3}$

23. $7\sqrt{3} - 5\sqrt{3}$

24. $48\sqrt{3} - \sqrt{3}$

25. $2\sqrt{75} - 5\sqrt{48}$

26. $3\sqrt{32} - 4\sqrt{8}$

27. $7\sqrt{20} + 6\sqrt{500}$

28. $9\sqrt{75} + 2\sqrt{147}$

29. $10\sqrt{338} - \sqrt{200} + 2\sqrt{162}$

30. $5\sqrt{2} + 8\sqrt{32} - 6\sqrt{72}$

31. $14\sqrt{63} - 2\sqrt{28}$

32. $3\sqrt{96} + 9\sqrt{150}$