

Raccolta di espressioni con le quattro operazioni e l'estrazione di radice

Square root Expressions

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1. $3\sqrt{2} + 2\sqrt{2} - \sqrt{2} + 5\sqrt{3} - 4\sqrt{3} = 4\sqrt{2} + \sqrt{3}$
 2. $\sqrt{1} + \sqrt{64} - \sqrt{25} - \sqrt{16} + \sqrt{2^2} = [2]$
 3. $2\sqrt{15} + \sqrt{3} \cdot \sqrt{5} + 2 \cdot (3\sqrt{15} + \sqrt{3} \cdot \sqrt{5}) = 11\sqrt{15}$
 4. $\sqrt{(9^3 \cdot 9^4) : (9^2 \cdot 9^3)} = [9]$
 5. $\sqrt{[13^6 \cdot (13^5 : 13)]^2 : [13^{13} : (13^2 \cdot 13^3)^2]^6} = [13]$
 6. $\sqrt{10 + 5 \cdot 3 - 2^2 \cdot 4} = [3]$
 7. $\sqrt{[1 + (3^3 \cdot 2 - 2^4 \cdot 3 - 2 \cdot 3) \cdot 3^2]^6 \cdot 2^3 - 2^2} = [2]$
 8. $\sqrt{11 + \{17 + [3 \cdot (29 - 2^3 \cdot 2) + 9 \cdot 5] : (3 \cdot 7) + (3^2 - 1) : (4 : 2)\}} = [6]$
 9. $\sqrt{(2 + 2 \cdot 6)^2 - 23 \cdot 3 - \sqrt{3 \cdot 13 - 2 \cdot 7} + \sqrt{(2 \cdot 5)^2 + 7 \cdot 3}} = [11]$
 10. $\left(\frac{6}{7} : \frac{2}{21}\right) \cdot \left(1 - \frac{3}{4}\right)^2 \cdot \sqrt{\frac{3}{4} - \frac{11}{36}} = \left[\frac{3}{8}\right]$
 11. $\left[\left(\frac{17}{20} - \frac{4}{15}\right) \cdot \frac{16}{21} - \left(1 - \frac{3}{4}\right)\right] : \sqrt{\left(1 - \frac{1}{6}\right) \cdot \frac{10}{3}} = \left[\frac{7}{60}\right]$
 12. $\sqrt{\left\{4 - \left(\frac{3}{4} + \frac{1}{2} + \frac{5}{4}\right) - \left[\left(\frac{5}{3} + \frac{2}{5} - 2\right) + \frac{3}{5}\right]\right\} \cdot \frac{1}{30}} = \left[\frac{1}{6}\right]$
 13. $\sqrt{\left(\frac{19}{30} - \frac{11}{20}\right) : \frac{5}{12} + \left(\frac{13}{12} - \frac{11}{15}\right) \cdot \frac{16}{35}} = \left[\frac{3}{5}\right]$
 14. $\sqrt{\left\{\frac{1}{3} + \frac{1}{4} - \left[\frac{5}{6} - \left(\frac{1}{3} + \frac{1}{2}\right)^2\right]\right\} \cdot \left(\frac{2}{8} + \frac{12}{2}\right)} = \left[\frac{5}{3}\right]$
 15. $\sqrt{\left\{\left[\left(\frac{4}{3} + \frac{3}{4}\right) \div \frac{4}{3} - \left(\frac{3}{2} \div \frac{1}{3} - \frac{3}{5}\right) \cdot \frac{1}{3}\right] \div \frac{7}{4} + \frac{34}{10} \cdot \frac{1}{4}\right\} \cdot \left(\frac{11}{2} - \frac{25}{1} \div \frac{5}{2}\right)^2} = [3]$

$$16. \sqrt{\left[\left(3 + \frac{7}{3} - \frac{24}{5}\right) \cdot \frac{5}{4} + \left(\frac{11}{10} - \frac{5}{6}\right) \cdot \frac{2}{9}\right]} \cdot \frac{7}{15} = \left[\frac{13}{15}\right]$$

$$17. \sqrt{\left(\frac{41}{27} - 0,\overline{7}\right) \cdot 0,6 + \left(\frac{79}{30} - 1,8\right) \div \frac{15}{24}} \left[\frac{4}{3}\right]$$

$$18. \sqrt{\frac{4}{27} \cdot (1,\overline{6} - 0,1\overline{6}) - \frac{4}{81} \div \frac{12}{27}} \left[\frac{1}{3}\right]$$

$$19. \sqrt{\frac{7}{4} + \left[\frac{7}{8} \cdot \left(\frac{3}{5} + \frac{1}{2} + \frac{1}{15} - \frac{1}{6}\right) + \frac{3}{4}\right]} \cdot \left(1 - \frac{9}{13}\right) = \left[\frac{3}{2}\right]$$

$$20. \sqrt{\left[\frac{7}{4} + \left(\frac{17}{6} - \frac{13}{12}\right) \div \frac{28}{9} - \left(\frac{35}{2} - \frac{21}{4}\right) \cdot \frac{8}{49}\right]} \div \left(\frac{11}{5} - \frac{19}{20}\right) \left[\frac{1}{2}\right]$$

$$21. \sqrt{\frac{\left(\frac{31}{120} + \frac{3}{20}\right) \div \left(\frac{5}{4} - \frac{9}{10}\right)}{\left(\frac{5}{2} - \frac{7}{6} - \frac{3}{4}\right) \div \left(\frac{11}{8} - \frac{5}{4}\right)}} \left[\frac{1}{2}\right]$$

$$22. \sqrt{\frac{\left(\frac{5}{2} - \frac{7}{6} - \frac{3}{4}\right) \div \left(\frac{11}{8} - \frac{5}{4}\right)}{\left(\frac{31}{120} + \frac{3}{20}\right) \div \left(\frac{5}{4} - \frac{9}{10}\right)}} \quad [2]$$

$$23. \sqrt{1 + \left(1 + \frac{3}{10}\right) \cdot \left(\frac{2}{13} + 1\right) + \left(\frac{5}{6} - \frac{1}{3} + \frac{1}{4}\right)^2} = \left[\frac{7}{4}\right]$$

$$24. \sqrt{2^2 \cdot \left[\left(\frac{1}{2} + \frac{3}{4}\right)^3 \cdot \frac{5}{4} - \left(\frac{5}{4} - \frac{1}{2}\right)^2\right]} = [2]$$

$$25. \sqrt{\frac{3}{4} \div \left(\frac{1}{3} + 1\right)} + \sqrt{\frac{1}{2} \div 2 \cdot \left(\frac{3}{2}\right)^2} = \left[\frac{3}{2}\right]$$

$$26. \sqrt{\frac{2}{5} \div \frac{3}{5} \cdot \left(1 - \frac{1}{3}\right)} - \sqrt{\left(\frac{1}{2} - \frac{1}{3}\right) \cdot \frac{1}{2} \div 3} = \left[\frac{1}{2}\right]$$

$$27. \sqrt{2 \cdot \left(\frac{\frac{1}{3} - \frac{1}{4}}{\frac{1}{6}}\right)^2 - \left(\frac{\frac{1}{3} + \frac{1}{4}}{\frac{7}{6}}\right)^2} = \left[\frac{1}{2}\right]$$

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