

RACIONALIZAR - 4 ESO

1.- $\frac{3}{\sqrt{5}}$	sol: $\frac{3\sqrt{5}}{5}$	2.- $\frac{1}{\sqrt{2}}$	sol: $\frac{\sqrt{2}}{2}$
3.- $\frac{7}{2\sqrt{7}}$	sol: $\frac{-\sqrt{7}}{2}$	4.- $\frac{-2}{3\sqrt{5}}$	sol: $\frac{-2\sqrt{5}}{15}$
5.- $\frac{\sqrt{3}}{\sqrt{5}}$	sol: $\frac{\sqrt{15}}{5}$	6.- $\frac{\sqrt{2}+3}{\sqrt{5}}$	sol: $\frac{\sqrt{10}+3\sqrt{5}}{5}$
7.- $\frac{1+\sqrt{5}}{\sqrt{5}}$	sol: $\frac{\sqrt{5}+5}{5}$	8.- $\frac{\sqrt{3}-\sqrt{7}}{\sqrt{7}}$	sol: $\frac{\sqrt{21}-7}{7}$
9.- $\frac{2+\sqrt{5}}{3\sqrt{5}}$	sol: $\frac{2\sqrt{5}+5}{15}$	10.- $\frac{\sqrt{5}+\sqrt{7}}{5\sqrt{7}}$	sol: $\frac{\sqrt{35}+7}{35}$
11.- $\frac{3x}{\sqrt{7}}$	sol: $\frac{3\sqrt{7}x}{7}$	12.- $\frac{3x^2+2}{3\sqrt{7}}$	sol: $\frac{3\sqrt{7}x^2+2\sqrt{7}}{21}$
13.- $\frac{3}{\sqrt[3]{5}}$	sol: $\frac{3\sqrt[3]{25}}{5}$	14.- $\frac{7}{2\sqrt[3]{5^2}}$	sol: $\frac{7\sqrt[3]{5}}{10}$
15.- $\frac{7\sqrt[7]{5^2}}{2\sqrt[7]{5^4}}$	sol: $\frac{7\sqrt[7]{5^5}}{10}$	16.- $\frac{2}{\sqrt[4]{2x^2y^3}}$	sol: $\frac{\sqrt[4]{2^3x^2y}}{xy}$
17.- $\frac{\sqrt{2}}{\sqrt{3}-\sqrt{2}}$	sol: $\sqrt{6} + 2$	18.- $\frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}}$	sol: $5 - 2\sqrt{6}$
19.- $\frac{1+\sqrt{3}}{1-\sqrt{3}}$	sol: $-2 + \sqrt{3}$	20.- $\frac{-5}{5+\sqrt{5}}$	sol: $\frac{5-\sqrt{5}}{-4}$
21.- $\frac{2-\sqrt{3}}{2+\sqrt{3}}$	sol: $-7 + 4\sqrt{3}$	22.- $\frac{2}{\sqrt{3}+1}$	sol: $\sqrt{3} - 1$
23.- $\frac{1}{2+\sqrt{3}}$	sol: $2 - \sqrt{3}$	24.- $\frac{\sqrt{2}}{\sqrt{3}+\sqrt{2}}$	sol: $\sqrt{6} - 2$
25.- $\frac{\sqrt{2}+\sqrt{3}}{\sqrt{2}-\sqrt{3}}$	sol: $-5 - 2\sqrt{6}$	26.- $\frac{2\sqrt{3}}{2-\sqrt{3}}$	sol: $6 + 4\sqrt{3}$
27.- $\frac{\sqrt{2}-\sqrt{3}}{2+\sqrt{2}}$	sol: $\frac{2\sqrt{2}-2\sqrt{3}+\sqrt{6}-2}{2}$	28.- $\frac{1+\sqrt{5}}{1-\sqrt{2}}$	sol: $-1 - \sqrt{2} - \sqrt{5} - \sqrt{10}$
29.- $\frac{2\sqrt{3}}{\sqrt{2}+\sqrt{3}}$	sol: $6 - 2\sqrt{6}$	30.- $\frac{\sqrt{3}}{\sqrt{3}-\sqrt{2}}$	sol: $3 + \sqrt{6}$