

Biomatemáticas leyes de los exponentes

3. Calcular

$$a) 3^3 = 3 \cdot 3 \cdot 3 = 27$$

$$b) 3(4)^2 = 3 \cdot 4 = 12^2$$

$$c) 2^4 \cdot 2^3 = 2^{4+3} = 2^7$$

$$d) 4^2 \cdot 3^2 = 4^2 \cdot 3^2 = 12^4$$

$$e) \frac{5^6 \cdot 5^3}{5^5} = \frac{5^{6+3}}{5^5} = 5^{9-5} = 5^4$$

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$$\frac{3^4 \cdot 3^8}{3^6 \cdot 3^5} = \frac{3^{12}}{3^{11}} = 3^{12-11} = 3^1 = 3$$

$$\frac{2(5)^2 \cdot 5(5)^2}{5(5)^2}$$

$$\frac{7^5}{7^3 \cdot 7^4} = \frac{7^5}{7^7} = 7^{5-7} = 7^{-2} = \frac{1}{7^2}$$

$$\frac{5(5)^2 + 5(5)^2}{5(5)^2}$$

$$(3^2)^3 = 3^{2 \cdot 3} = 3^6$$

$$\left(\frac{1}{2}\right)^6 \cdot 2^5 = 0.5^6 \cdot 2^5 = 1$$

$$\frac{2^5 + 2^5}{2^5} = \frac{2 \cdot 2^5}{2^5} = 2$$

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