| **ALGEBRATOR N° 1 (II Bim)**<br>**Criterio B**<br>Bii. Describir patrones como relaciones y/o reglas generales coherentes con los hallazgos | | score: /10 | |
|---|---|---|---|
| $25^{\frac{1}{5}} =$ | $\sqrt{25}$ | $\sqrt[3]{7^5} =$ | $7\sqrt[3]{7^2}$ |
| | $\sqrt[5]{25}$ | | $\sqrt[5]{7^3}$ |
| | $\sqrt[1/5]{25}$ | | $7\sqrt[5]{7^3}$ |
| $23^{\frac{1}{7}} =$ | $\sqrt[7]{23}$ | $\sqrt{2^7} =$ | $2\sqrt{2^5}$ |
| | 23 | | $2^6\sqrt{2}$ |
| | $\sqrt[23]{7}$ | | $2^3\sqrt{2}$ |
| $100^{\frac{1}{2}} =$ | $\sqrt[100]{2}$ | $\sqrt[3]{5^{17}} =$ | $5^5\sqrt[3]{5^2}$ |
| | $\sqrt[1/2]{100}$ | | $5\sqrt[3]{5^{14}}$ |
| | $\sqrt{100}$ | | $5^2\sqrt[3]{5^{11}}$ |
| $\left(\frac{9^{-1}}{7^{-1}}\right) =$ | **9/7** | $\sqrt[3]{7^{10}} =$ | $7^7\sqrt[3]{7^3}$ |
| | **7/9** | | $7^3\sqrt[3]{7}$ |
| | $\mathbf{9^{-1}.7^{-1}}$ | | $\sqrt[10]{7^3}$ |
| $\left(\frac{4^2}{7^3}\right)^{-1} =$ | $\mathbf{4^2/7^3}$ | $6^8\sqrt[5]{7} =$ | $\sqrt[5]{7.6^{40}}$ |
| | $\mathbf{4^{-2}/7^3}$ | | $\sqrt[5]{7.6^8}$ |
| | $\mathbf{7^3/4^2}$ | | |
| $\left(\frac{9}{7}\right)^{-2} =$ | $\mathbf{(7/9)^2}$ | $4^{10}\sqrt[4]{2} =$ | $\sqrt[4]{2.4^{14}}$ |
| | $\mathbf{9^{-2}/7}$ | | $\sqrt[4]{2^{14}}$ |
| | | | $\sqrt[4]{2.4^{40}}$ |
| $\left(\frac{1}{5}\right)^{2x-5}.\left(\frac{1}{5}\right)^{x+3}.\left(\frac{1}{5}\right)^{2x-1} =$ | $\mathbf{(1/5)^{5x-3}}$ | $x\sqrt[3]{m} =$ | $\sqrt[3]{xm}$ |
| | $\mathbf{(1/5)^{5x}}$ | | $\sqrt[3]{x^3m}$ |
| | $\mathbf{(1/5)^{3x-3}}$ | | $\sqrt[3]{x^3m^3}$ |
| | | | |

LIVEWORKSHEETS

| | | | |
|---|---|---|---|
| $\frac{31^{-10}}{31^{-5}} ==$ | **$31^{-5}$** | $8^4\sqrt[5]{m} =$ | $\sqrt[5]{8^{20}m}$ |
| | **$31^{5}$** | | $\sqrt[5]{8^{20}m^4}$ |
| | **$31^{-15}$** | | $\sqrt[5]{8m^{20}}$ |
| $\left[\left(\frac{r^3}{r^{10}}\right)^5\right]^0 =$ | **r** | $\sqrt[4]{\sqrt[5]{9}} =$ | $\sqrt[9]{9}$ |
| | **1** | | $\sqrt[20]{9}$ |
| | **$r^{-35}$** | | $\sqrt[9]{\sqrt{9}}$ |
| $\frac{13^2}{13^{-8}} =$ | **$13^{-6}$** | $\sqrt{\sqrt[4]{\sqrt[5]{\sqrt{x}}}} =$ | $\sqrt[80]{x}$ |
| | **$13^{6}$** | | $\sqrt[13]{x}$ |
| | **$13^{10}$** | | $\sqrt[13]{x^{13}}$ |

**Importante: Este documento se elabora sin realizar ninguna operación, esta es su exigencia. Todas las respuestas se conocen o son de cálculo mental.**

**No debe exceder el tiempo indicado en aula.**

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