

"Simplificación de Raíces"

Semana 5

- Resuelva los siguientes ejercicios en su cuaderno y coloree la respuesta correcta.

1- $\sqrt[40]{1,296^{10}}$ 6 4

$$\frac{10}{40} = \frac{5}{20} = \frac{1}{4}$$

$$\sqrt[4]{1296^1} = 6$$

2- $\sqrt[5]{100,000^5}$ 100,000 10

$$\frac{5}{5} = 1$$

3- $\sqrt[3]{2,4389^0}$ 0 1

4- $\sqrt{21^4}$ 441 54

5- $\sqrt[36]{4096^9}$ 8 15

$$\frac{9}{36} = \frac{3}{12} = \frac{1}{4}$$

$$\sqrt[4]{4096^1} = 8$$

6- $\sqrt[10]{4^{25}}$ 15 32

$$\sqrt{45} = 32.$$

1	5	0	2	1	9	7
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$$7 \rightarrow \sqrt[3]{2,197^3}$$

8	40	3	2	7	6	8
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	1		6
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$$9 - \sqrt[8]{12^{16}}$$

1	4	4		4
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16	=	8	=	4	=	2
8		4		2		1

$$\sqrt{12^2} = 144$$

$$10 - \sqrt[9]{8670}$$

0	1
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$$11 - \sqrt{25}$$

1	2	5	6	2	5
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12	$\sqrt{56}$	2	1	8	7	24
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0	3	2	7
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24	=	12	=	6	=	3
56		28		14		7

$$\sqrt[7]{2187} = 27.$$