

Semana 23 Vicky Castillo 4to. Jurídico.

Resuelva los siguientes ejercicios y coloree la respuesta correcta.

1) $\sqrt[40]{1296^{10}} \longrightarrow$

6	14
---	----

$\sqrt[40]{1296^{10}} = 1296^{\frac{1}{4}}$

2) $\sqrt[5]{100,000^5} \longrightarrow$

100,000	10
---------	----

$\sqrt[5]{100,000^5} = 100,000$

3) $\sqrt[3]{24,389^3} \longrightarrow$

0	1
---	---

$\sqrt[3]{24,389^3} = 24,389$

4) $\sqrt{21^4} \longrightarrow$

441	54
-----	----

$\sqrt{21^4} = \sqrt{21^2} = 21 \times 21 = 441$

5) $\sqrt[36]{4,096^9} \longrightarrow$

8	15
---	----

$\sqrt[36]{4,096^9} = \sqrt[4]{4,096} = 8$

6) $\sqrt[10]{4^{25}} \longrightarrow$

15	32
----	----

$\sqrt[10]{4^{25}} = 4^{\frac{25}{10}} = 4^{\frac{5}{2}} = 4 = 32$

$$7) \sqrt[3]{2,197^\circ} \longrightarrow \boxed{150} \boxed{2197}$$

$$\sqrt[3]{2,197^3} = 2,197$$

$$8) \sqrt[40]{32,768^\circ} \longrightarrow \boxed{1} \boxed{6}$$

$$\sqrt[40]{32,768^\circ} = 32,768$$

$$9) \sqrt[8]{12^{16}} \longrightarrow \boxed{4} \boxed{144}$$

$$\sqrt[8]{12^{16}} = \sqrt[2]{12} = 12^\circ 12 = 144$$

$$10) \sqrt[9]{867^\circ} \longrightarrow \boxed{0} \boxed{1}$$

$$\sqrt[9]{867^\circ} = 867$$

$$11) \sqrt[2]{25^4} \longrightarrow \boxed{125} \boxed{625}$$

$$\sqrt[2]{25^4} = \sqrt[2]{25} = 25 \cdot 25 = 625$$

$$12) \sqrt[56]{2,187^{24}} \longrightarrow \boxed{3} \boxed{27}$$

$$\sqrt[56]{2,187^{24}} = 2.4 \sqrt{2,187} = 27$$