

CÁLCULO MENTAL

Propiedades potencias

FOLLA Nº : _____

	A	A	B	B	C	C
1	$\frac{3^8}{3^2} = 3^x$		$3^x \cdot 3^2 = 3^{11}$		$x^6 \cdot 3^6 = 12^6$	
2	$7^x \cdot 7^2 = 7^5$		$\frac{2^9}{2^5} = 2^x$		$(4^6)^2 = 4^x$	
3	$(5^2)^3 = 5^x$		$x^4 \cdot 5^4 = 10^4$		$2^x \cdot 2^6 = 2^8$	
4	$2^3 \cdot 5^3 = x^3$		$(3^2)^x = 3^{14}$		$4^0 = x$	
5	$4^2 \cdot 4^3 = 4^x$		$5^0 = x$		$3^2 \cdot 3^5 = 3^x$	
6	$\frac{5^x}{5^2} = 5^6$		$7^2 \cdot 7^4 = 7^x$		$5^3 \cdot 2^3 = x^3$	
7	$7^0 = x$		$\frac{6^x}{6^3} = 6^2$		$\frac{5^4}{5^2} = 5^x$	
8	$x^5 \cdot 2^5 = 6^5$		$(6^4)^2 = 6^x$		$\frac{4^x}{4^5} = 4^3$	
9	$(7^2)^x = 7^6$		$2^2 \cdot 6^2 = x^2$		$4 \cdot 4^6 = 4^x$	
10	$5 \cdot 5^8 = 5^x$		$6^2 \cdot 6 = 6^x$		$(2^2)^x = 2^{12}$	
11	$3^4 \cdot 3^2 = 3^x$		$\frac{7^6}{7^2} = 7^2$		$(7^x)^4 = 7^8$	
12	$\frac{4^7}{4^x} = 4^2$		$(4^x)^3 = 4^6$		$3^2 \cdot 6^2 = x^2$	
13	$(3^2)^x = 1$		$\frac{3^4}{3^4} = x$		$\frac{3^9}{3^x} = 3^4$	
14	$(6^x)^2 = 6^2$		$8^3 \cdot 2^3 = x^3$		$(5^2)^x = 1$	
15	$8^2 \cdot 3^2 = x^2$		$(2^3)^x = 1$		$(3^x)^2 = 3^6$	
16	$\frac{2^7}{2} = 2^x$		$3^5 \cdot 3^4 = 3^x$		$\frac{2^8}{2^2} = 2^x$	
17	$3^4 \cdot 3^x = 3^5$		$\frac{5^6}{5} = 5^x$		$5^6 \cdot 5^x = 5^7$	

	D	D	E	E	F	F
1	$(5^7)^x = 5^{14}$		$x^3 \cdot 3^3 = 15^3$		$\frac{3^6}{3^6} = x$	
2	$7^4 \cdot 2^4 = x^4$		$(3^7)^2 = 3^x$		$4^x \cdot 4^2 = 4^9$	
3	$3^5 \cdot 3^2 = 3^x$		$6^x \cdot 6^4 = 6^9$		$(4^3)^x = 4^{12}$	
4	$\frac{6^3}{6^2} = 6^x$		$3^0 = x$		$x^2 \cdot 2^2 = 16^2$	
5	$5^x \cdot 5^3 = 5^7$		$\frac{4^5}{4^2} = 4^x$		$6^3 \cdot 6^2 = 6^x$	
6	$9^0 = x$		$3^4 \cdot 3^5 = 3^x$		$6^0 = x$	
7	$(7^2)^2 = 7^x$		$(6^2)^x = 6^{10}$		$6^2 \cdot 7^2 = x^2$	
8	$2^2 \cdot 2^7 = 2^x$		$2^6 \cdot 3^6 = x^6$		$\frac{7^6}{7^3} = 7^x$	
9	$\frac{7^x}{7^3} = 7^3$		$5^2 \cdot 5^6 = 5^x$		$\frac{2^2}{2^3} = 2^4$	
10	$x^2 \cdot 4^2 = 12^2$		$\frac{3^7}{3^4} = 3^2$		$(2^2)^x = 2^x$	
11	$8 \cdot 8^3 = 8^x$		$(5^4)^x = 1$		$8^6 \cdot 3^6 = x^6$	
12	$(2^x)^3 = 2^3$		$\frac{5^6}{5^x} = 5^2$		$(3^2)^x = 1$	
13	$(6^3)^x = 1$		$\frac{2^3}{2^3} = x$		$\frac{6^5}{6^x} = 6^3$	
14	$4^5 \cdot 7^5 = x^5$		$7^4 \cdot 3^4 = x^4$		$(5^x)^3 = 5^9$	
15	$\frac{2^7}{2^x} = 2^5$		$3 \cdot 3^2 = 3^x$		$2^7 \cdot 2 = 2^x$	
16	$6^x \cdot 6 = 6^4$		$(2^3)^4 = 2^x$		$7 \cdot 7^x = 7^3$	
17	$\frac{4^2}{4} = 4^x$		$2^5 \cdot x^5 = 4^5$		$(3^9)^3 = 3^x$	