

FRACȚII ZECIMALE PUTERI EXERCIȚII

1. Calculați:

- a) $0,1^2 =$
- b) $0,4^2 =$
- c) $0,7^2 =$
- d) $1,2^3 =$
- e) $3,4^2 =$
- f) $7,6^2 =$
- g) $9,1^2 =$
- h) $10,2^2 =$
- i) $0,7^3 =$
- j) $15,6^2 =$
- k) $0,8^3 =$
- l) $1,3^3 =$

2. Scrieți ca o singură putere:

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|------------------------------------|---------------------------------------|------------------------------|
| a) $0,4^2 \cdot 0,4^6 = 0,4$ | b) $0,9^5 \cdot 0,9^6 = 0,9$ | c) $1,3^4 \cdot 1,3^7 = 1,3$ |
| d) $12,1^5 \cdot 12,1^{10} = 12,1$ | e) $7,21^{10} \cdot 7,21^{14} = 7,21$ | f) $6,8^9 \cdot 6,8^7 = 6,8$ |
| g) $1,5^{10} : 1,5^2 = 1,5$ | h) $2,8^9 : 2,8^2 = 2,8$ | i) $2,13^8 : 2,13 = 2,13$ |
| j) $3,5^{20} : 3,5^4 = 3,5$ | k) $4,7^{20} : 4,7^{11} = 4,7$ | l) $9,6^{17} : 9,6^4 = 9,6$ |

4. Scrieți ca o singură putere:

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|--------------------------|-------------------------|------------------------|-------------------------|
| a) $(2,4^3)^7 = 2,4$ | b) $(4,8^2)^{10} = 4,8$ | c) $(6,24^5)^8 = 6,24$ | d) $(9,6^6)^8 = 9,6$ |
| e) $[(3,3^2)^3]^4 = 3,3$ | f) $[(1,5^2)^4]^0 =$ | g) $[(0,7^0)^7]^9 =$ | h) $[(7,3^2)^0]^{10} =$ |

5. Comparați

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|------------|------------|----------------|----------|---------------|------------|
| a) $0,8^8$ | $0,8^{10}$ | b) $1,2^7$ | $1,2^8$ | c) $0,1^{12}$ | $0,1^{14}$ |
| d) $3,7^5$ | $3,7^6$ | e) $0,15^{10}$ | $0,15^9$ | f) $8,85^7$ | $88,5^7$ |

6. a) $2,2^2 + 1,6^3 - 1,92^2 =$

b) $12,6^2 \cdot 1,2^2 - 11,7^2 =$

7. a) $2,8^5 \cdot 2,8^6 : (2,8^3)^3 = 2,8$

b) $4,32^8 \cdot 4,32^5 : (4,32^2)^6 = 4,32$

8. $(4,32 : 1,2^2 - 1,6^2) : 0,2^2 - 3,2^2 =$

9. Rezolvați ecuația $10^2 \cdot [(3,1^2 - x) \cdot 0,5^2 + 1,9^2] = 571$

