

Mixed practice

Simplify to a single power, then evaluate.

1. $(3^2)^3 \div 3^9 =$ 1/27

2. $(2^2)^3 \div 2^6 =$ 1

3. $(3^3)^3 \div 3^4 =$ 243

4. $(3^2)^3 \div 3^2 =$ 81

5. $2^6 \times 2^3 =$ 512

6. $2^6 \div 2^3 =$ 8

7. $10^6 \div 10^4 =$ 100

8. $3^{-2} \div 3^{-3} =$ 3

9. $(3^3)^3 \div 3^8 =$ 3

10. $(10^2)^3 \div 10^3 =$ 1000

11. $(3^3)^3 \div 3^3 =$ 729

12. $2^4 \div 2^{-2} =$ 64