

Mixed practice

Simplify to a single power, then evaluate.

1. $2^{-5} \times 2^{-1} =$ _____

2. $(3^3)^3 \div 3^5 =$ _____

3. $(2^2)^3 \div 2^8 =$ _____

4. $5^3 \div 5^3 =$ _____

5. $(3^2)^2 \div 3^5 =$ _____

6. $2^{-1} \times 2^{-4} =$ _____

7. $(3^3)^2 \div 3^9 =$ _____

8. $(10^3)^3 \div 10^7 =$ _____

9. $(10^3)^2 \div 10^9 =$ _____

10. $5^5 \div 5^5 =$ _____

11. $(5^3)^3 \div 5^7 =$ _____

12. $(10^2)^3 \div 10^9 =$ _____