

Multiplying Exponents (G)

Simplify each expression.

1. $3^3 \cdot 3^0$

2. $5^9 \cdot 5^5$

3. $4^7 \cdot 4^6$

4. $6^0 \cdot 6^6$

5. $9^5 \cdot 9^7$

6. $7^1 \cdot 7^4$

7. $5^3 \cdot 5^1$

8. $3^3 \cdot 3^9$

9. $2^1 \cdot 2^4$

10. $9^0 \cdot 9^4$

Multiplying Exponents (G) Answers

Simplify each expression.

1. $3^3 \cdot 3^0$

$$= 3^3$$

2. $5^9 \cdot 5^5$

$$= 5^{14}$$

3. $4^7 \cdot 4^6$

$$= 4^{13}$$

4. $6^0 \cdot 6^6$

$$= 6^6$$

5. $9^5 \cdot 9^7$

$$= 9^{12}$$

6. $7^1 \cdot 7^4$

$$= 7^5$$

7. $5^3 \cdot 5^1$

$$= 5^4$$

8. $3^3 \cdot 3^9$

$$= 3^{12}$$

9. $2^1 \cdot 2^4$

$$= 2^5$$

10. $9^0 \cdot 9^4$

$$= 9^4$$