

Multiplying Exponents (E)

Simplify each expression.

1. $7^1 \cdot 7^2$

2. $3^5 \cdot 3^6$

3. $5^3 \cdot 5^9$

4. $2^3 \cdot 2^2$

5. $5^0 \cdot 5^6$

6. $2^5 \cdot 2^6$

7. $8^6 \cdot 8^9$

8. $6^3 \cdot 6^6$

9. $9^3 \cdot 9^0$

10. $9^6 \cdot 9^2$

Multiplying Exponents (E) Answers

Simplify each expression.

1. $7^1 \cdot 7^2$

$$= 7^3$$

2. $3^5 \cdot 3^6$

$$= 3^{11}$$

3. $5^3 \cdot 5^9$

$$= 5^{12}$$

4. $2^3 \cdot 2^2$

$$= 2^5$$

5. $5^0 \cdot 5^6$

$$= 5^6$$

6. $2^5 \cdot 2^6$

$$= 2^{11}$$

7. $8^6 \cdot 8^9$

$$= 8^{15}$$

8. $6^3 \cdot 6^6$

$$= 6^9$$

9. $9^3 \cdot 9^0$

$$= 9^3$$

10. $9^6 \cdot 9^2$

$$= 9^8$$