

Multiplying Exponents (C)

Simplify each expression.

1. $4^5 \cdot 4^7$

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

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

4. $4^8 \cdot 4^6$

5. $7^0 \cdot 7^4$

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

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

8. $7^5 \cdot 7^3$

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

10. $4^3 \cdot 4^3$

Multiplying Exponents (C) Answers

Simplify each expression.

1. $4^5 \cdot 4^7$

$$= 4^{12}$$

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

$$= 2^9$$

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

$$= 5^2$$

4. $4^8 \cdot 4^6$

$$= 4^{14}$$

5. $7^0 \cdot 7^4$

$$= 7^4$$

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

$$= 9^{11}$$

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

$$= 6^2$$

8. $7^5 \cdot 7^3$

$$= 7^8$$

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

$$= 5^{12}$$

10. $4^3 \cdot 4^3$

$$= 4^6$$