

Multiplying Exponents (I)

Simplify each expression.

1. $5^0 \cdot 4^0$

2. $8^9 \cdot 8^9$

3. $4^6 \cdot 9^6$

4. $3^5 \cdot 8^5$

5. $9^1 \cdot 2^1$

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

7. $5^1 \cdot 6^1$

8. $9^7 \cdot 5^7$

9. $3^4 \cdot 4^4$

10. $9^8 \cdot 6^8$

Multiplying Exponents (I) Answers

Simplify each expression.

1. $5^0 \cdot 4^0$

$$= 20^0 = 1$$

2. $8^9 \cdot 8^9$

$$= 8^{18}$$

3. $4^6 \cdot 9^6$

$$= 36^6$$

4. $3^5 \cdot 8^5$

$$= 24^5$$

5. $9^1 \cdot 2^1$

$$= 18$$

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

$$= 42^3$$

7. $5^1 \cdot 6^1$

$$= 30$$

8. $9^7 \cdot 5^7$

$$= 45^7$$

9. $3^4 \cdot 4^4$

$$= 12^4$$

10. $9^8 \cdot 6^8$

$$= 54^8$$