

Multiplying Exponents (I)

Simplify each expression.

1. $4^0 \cdot 4^8$

2. $3^6 \cdot 3^1$

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

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

5. $9^1 \cdot 9^6$

6. $4^2 \cdot 4^8$

7. $4^6 \cdot 4^8$

8. $3^2 \cdot 3^3$

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

10. $3^7 \cdot 3^2$

Multiplying Exponents (I) Answers

Simplify each expression.

1. $4^0 \cdot 4^8$

$$= 4^8$$

2. $3^6 \cdot 3^1$

$$= 3^7$$

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

$$= 3^{18}$$

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

$$= 8^{12}$$

5. $9^1 \cdot 9^6$

$$= 9^7$$

6. $4^2 \cdot 4^8$

$$= 4^{10}$$

7. $4^6 \cdot 4^8$

$$= 4^{14}$$

8. $3^2 \cdot 3^3$

$$= 3^5$$

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

$$= 3^{17}$$

10. $3^7 \cdot 3^2$

$$= 3^9$$