

Dividing Exponents (B)

Simplify each expression.

1. $\frac{2^8}{2^2}$

2. $\frac{5^5}{5^3}$

3. $\frac{8^4}{8^4}$

4. $\frac{9^5}{9^1}$

5. $\frac{2^7}{2^6}$

6. $\frac{4^6}{4^5}$

7. $\frac{9^2}{9^0}$

8. $\frac{7^2}{7^1}$

9. $\frac{6^7}{6^4}$

10. $\frac{2^3}{2^2}$

Dividing Exponents (B) Answers

Simplify each expression.

$$1. \frac{2^8}{2^2}$$

$$= 2^6$$

$$2. \frac{5^5}{5^3}$$

$$= 5^2$$

$$3. \frac{8^4}{8^4}$$

$$= 8^0 = 1$$

$$4. \frac{9^5}{9^1}$$

$$= 9^4$$

$$5. \frac{2^7}{2^6}$$

$$= 2$$

$$6. \frac{4^6}{4^5}$$

$$= 4$$

$$7. \frac{9^2}{9^0}$$

$$= 9^2$$

$$8. \frac{7^2}{7^1}$$

$$= 7$$

$$9. \frac{6^7}{6^4}$$

$$= 6^3$$

$$10. \frac{2^3}{2^2}$$

$$= 2$$