

Dividing Exponents (H)

Simplify each expression.

1. $\frac{8^2}{8^0}$

2. $\frac{8^3}{8^1}$

3. $\frac{2^2}{2^0}$

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

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

6. $\frac{5^9}{5^3}$

7. $\frac{5^3}{5^1}$

8. $\frac{9^6}{9^5}$

9. $\frac{3^5}{3^4}$

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

Dividing Exponents (H) Answers

Simplify each expression.

$$1. \frac{8^2}{8^0}$$

$$= 8^2$$

$$2. \frac{8^3}{8^1}$$

$$= 8^2$$

$$3. \frac{2^2}{2^0}$$

$$= 2^2$$

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

$$= 4^0 = 1$$

$$5. \frac{8^7}{8^2}$$

$$= 8^5$$

$$6. \frac{5^9}{5^3}$$

$$= 5^6$$

$$7. \frac{5^3}{5^1}$$

$$= 5^2$$

$$8. \frac{9^6}{9^5}$$

$$= 9$$

$$9. \frac{3^5}{3^4}$$

$$= 3$$

$$10. \frac{7^6}{7^4}$$

$$= 7^2$$