

# Exponents Quotient Rule

Name: \_\_\_\_\_ Score: \_\_\_\_\_

Use the quotient rule and answer in a single exponent.

$$10^{11} \div 10^8 =$$

$$9^7 \div 9^3 =$$

$$14^{10} \div 14^4 =$$

$$4^5 \div 4^1 =$$

$$5^{15} \div 5^{10} =$$

$$6^{11} \div 6^3 =$$

$$3^{12} \div 3^9 =$$

$$2^{10} \div 2^2 =$$

$$14^5 \div 14^2 =$$

$$10^5 \div 10^2 =$$

$$12^{14} \div 12^{12} =$$

$$1^{76} \div 1^{70} =$$

$$15^5 \div 15^2 =$$

$$20^{11} \div 20^5 =$$

$$2^{12} \div 2^5 =$$

$$4^{13} \div 4^8 =$$

$$5^{12} \div 5^3 =$$

$$11^{13} \div 11^9 =$$

$$10^{10} \div 10^2 =$$

$$1^{10} \div 1^2 =$$

$$12^{10} \div 12^2 =$$

# Answers

Use the quotient rule and answer in a single exponents.

$$10^{11} \div 10^8 = 10^3$$

$$9^7 \div 9^3 = 9^4$$

$$14^{10} \div 14^4 = 14^6$$

$$4^5 \div 4^1 = 4^4$$

$$5^{15} \div 5^{10} = 5^5$$

$$6^{11} \div 6^3 = 6^8$$

$$3^{12} \div 3^9 = 3^3$$

$$2^{10} \div 2^2 = 2^8$$

$$14^5 \div 14^2 = 14^3$$

$$10^5 \div 10^2 = 10^3$$

$$12^{14} \div 12^{12} = 12^2$$

$$1^{76} \div 1^{70} = 1^6$$

$$15^5 \div 15^2 = 15^3$$

$$20^{11} \div 20^5 = 20^6$$

$$2^{12} \div 2^5 = 2^7$$

$$4^{13} \div 4^8 = 4^5$$

$$5^{12} \div 5^3 = 5^9$$

$$11^{13} \div 11^9 = 11^4$$

$$10^{10} \div 10^2 = 10^8$$

$$1^{10} \div 1^2 = 1^8$$

$$12^{10} \div 12^2 = 12^8$$