

Dividing Exponents by Exponents

Name: _____ Score: _____

Divide the following exponents.

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

$$10^1 \div 10^0 =$$

$$30^2 \div 10^2 =$$

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

$$8^4 \div 2^4 =$$

$$10^1 \div 1^4 =$$

$$6^4 \div 3^2 =$$

$$5^4 \div 5^2 =$$

$$20^2 \div 5^2 =$$

$$7^4 \div 7^2 =$$

$$12^3 \div 2^3 =$$

$$6^4 \div 2^4 =$$

$$8^4 \div 2^6 =$$

$$16^2 \div 2^6 =$$

$$2^6 \div 2^2 =$$

$$4^3 \div 2^6 =$$

$$3^5 \div 9^2 =$$

$$4^1 \div 4^0 =$$

$$12^3 \div 12^1 =$$

$$20^2 \div 4^2 =$$

$$10^4 \div 5^2 =$$

Answers

Divide the following exponents.

$$10^3 \div 10^2 = 10 \quad 10^1 \div 10^0 = 10 \quad 30^2 \div 10^2 = 9$$

$$9^4 \div 3^4 = 81 \quad 8^4 \div 2^4 = 256 \quad 10^1 \div 1^4 = 10$$

$$6^4 \div 3^2 = 144 \quad 5^4 \div 5^2 = 25 \quad 20^2 \div 5^2 = 16$$

$$7^4 \div 7^2 = 49 \quad 12^3 \div 2^3 = 216 \quad 6^4 \div 2^4 = 81$$

$$8^4 \div 2^6 = 64 \quad 16^2 \div 2^6 = 4 \quad 2^6 \div 2^2 = 16$$

$$4^3 \div 2^6 = 1 \quad 3^5 \div 9^2 = 3 \quad 4^1 \div 4^0 = 4$$

$$12^3 \div 12^1 = 144 \quad 20^2 \div 4^2 = 25 \quad 10^4 \div 5^2 = 400$$