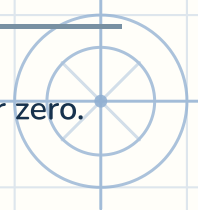


Laws of exponents — Dividing powers

Name: _____

Date: _____



Write each quotient as one power. Give the exponent n — it may be negative or zero.

1 $10^4 \div 10^4 = 10^n$, $n =$ _____

2 $7^{13} \div 7^1 = 7^n$, $n =$ _____

3 $5^9 \div 5^2 = 5^n$, $n =$ _____

4 $5^7 \div 5^7 = 5^n$, $n =$ _____

5 $7^6 \div 7^{14} = 7^n$, $n =$ _____

6 $12^7 \div 12^{10} = 12^n$, $n =$ _____



Laws of exponents · Dividing powers — Answer key

1. $10^4 \div 10^4 = 10^0$

2. $7^{13} \div 7^1 = 7^{12}$

3. $5^9 \div 5^2 = 5^7$

4. $5^7 \div 5^7 = 5^0$

5. $7^6 \div 7^{14} = 7^{-8}$

6. $12^7 \div 12^{10} = 12^{-3}$

