

Comparing Exponents

Name: _____ Score: _____

Compare the exponents and whole numbers in terms of $>$, $<$ or $=$.

$12^2 \quad \square \quad 150$

$7^5 \quad \square \quad 8^4$

$15^3 \quad \square \quad 3,000$

$2^8 \quad \square \quad 3^5$

$9^2 \quad \square \quad 3^4$

$11^3 \quad \square \quad 2,000$

$10^5 \quad \square \quad 100,000$

$19^4 \quad \square \quad 200,000$

$7^3 \quad \square \quad 14^2$

$10^3 \quad \square \quad 5^4$

$6^3 \quad \square \quad 3^4$

$16^2 \quad \square \quad 256$

$10^4 \quad \square \quad 90,000$

$13^3 \quad \square \quad 2,000$

$2^9 \quad \square \quad 512$

$11^4 \quad \square \quad 12^3$

$9^4 \quad \square \quad 6,561$

$12^3 \quad \square \quad 1,500$

$6^3 \quad \square \quad 251$

$12^1 \quad \square \quad 13^0$

$20^2 \quad \square \quad 300$

$25^2 \quad \square \quad 5^4$

$50^3 \quad \square \quad 120,000$

$5^6 \quad \square \quad 12^3$

Answers

Compare the exponents and whole numbers in terms of $>$, $<$ or $=$.

$12^2 < 150$

$7^5 > 8^4$

$15^3 > 3,000$

$2^8 > 3^5$

$9^2 = 3^4$

$11^3 < 2,000$

$10^5 = 100,000$

$19^4 < 200,000$

$7^3 > 14^2$

$10^3 > 5^4$

$6^3 > 3^4$

$16^2 = 256$

$10^4 < 90,000$

$13^3 > 2,000$

$2^9 = 512$

$11^4 > 12^3$

$9^4 = 6,561$

$12^3 > 1,500$

$6^3 < 251$

$12^1 > 13^0$

$20^2 > 300$

$25^2 = 5^4$

$50^3 > 120,000$

$5^6 > 12^3$