

# Comparing Exponents

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

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

$10^2 \quad \square \quad 110$

$6^5 \quad \square \quad 7^4$

$16^3 \quad \square \quad 4,000$

$2^7 \quad \square \quad 3^4$

$9^3 \quad \square \quad 3^6$

$12^3 \quad \square \quad 2,000$

$11^5 \quad \square \quad 161,051$

$13^5 \quad \square \quad 400,000$

$7^5 \quad \square \quad 14^3$

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

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

$15^2 \quad \square \quad 225$

$11^4 \quad \square \quad 20,000$

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

$3^6 \quad \square \quad 729$

$12^4 \quad \square \quad 14^3$

$9^3 \quad \square \quad 729$

$16^3 \quad \square \quad 3,500$

$5^3 \quad \square \quad 135$

$19^1 \quad \square \quad 23^0$

$14^2 \quad \square \quad 180$

$25^4 \quad \square \quad 5^8$

$50^2 \quad \square \quad 2,000$

$4^6 \quad \square \quad 8^3$

# Answers

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

$10^2 < 110$

$6^5 > 7^4$

$16^3 > 4,000$

$2^7 > 3^4$

$9^3 = 3^6$

$12^3 < 2,000$

$11^5 = 161,051$

$13^5 < 400,000$

$7^5 > 14^3$

$10^4 > 5^5$

$4^3 < 3^4$

$15^2 = 225$

$11^4 < 20,000$

$15^3 > 3,000$

$3^6 = 729$

$12^4 > 14^3$

$9^3 = 729$

$16^3 > 3,500$

$5^3 < 135$

$19^1 > 23^0$

$14^2 > 180$

$25^4 = 5^8$

$50^2 > 2,000$

$4^6 > 8^3$