Name _____

Power Match Answer Key

1) 4^3
2) 7^2
3) 9^4
4) 2^5
5) 6^3
6) 10^2
7) 5^4
8) 8^3
9) 3^6
10) 12^2
11) 11^3
12) 1^7

Teacher's Guide

- Explain that the base is the number being multiplied and the exponent tells how many times the base is used as a factor.
- Model one or two examples before students begin working independently.
- Encourage students to count the number of equal factors carefully before writing the exponent.
- Provide students who need support with color coded repeated factors or have them circle each factor before writing the exponent.
- Challenge advanced students to write the repeated multiplication for a given exponent after completing the worksheet.
- Turn the activity into a partner game by having one student say a repeated multiplication expression while the other quickly writes the matching exponent notation.
- Extend learning by asking students to create three repeated multiplication expressions for a classmate to rewrite using exponent notation.