

Rolling Exponents Key

Die 1

1 = add

2 = subtract

3 = multiply

4 = divide

5 = multiply the two bases and square the product (raise to the power of 2)

6 = multiply the two bases and take the square root of the product (raise to the power of $\frac{1}{2}$)

Die 2

1 = base¹

2 = base²

3 = base³

4 = base⁴

5 = base⁵

6 = base⁶

Example

Base given by the teacher: x^4

Die 1 = 5

Die 2 = 4

$$[(x^4)(x^4)]^2 = (x^{4+4})^2 = (x^8)^2 = x^{64}$$