

NAME _____

Powers of Ten Match-Up

You can also write numbers expressed in multiples of 10 as an **exponent**.

For example, $2 \times 10 \times 10 \times 10$ is 2×10^3 in exponential form. Ten is raised to the power of 3, which means 10 is multiplied by itself 3 times: $10 \times 10 \times 10$.

So 2×10^3 is equal to 2,000.

Cut on the dotted lines and sort the cards into matching sets: multiplication expression and exponential expression. Paste each matching set in the same row on page 2. Then write the value of the expressions in the last column.

$4 \times 10 \times 10$	3×10^3
$2 \times 10 \times 10 \times 10 \times 10$	9×10^2
$3 \times 10 \times 10 \times 10$	1×10^5
$6 \times 10 \times 10 \times 10$	4×10^2
$7 \times 10 \times 10$	5×10^5
$8 \times 10 \times 10$	2×10^4
$12 \times 10 \times 10 \times 10 \times 10$	7×10^2
$1 \times 10 \times 10 \times 10 \times 10 \times 10$	8×10^2
$9 \times 10 \times 10$	6×10^3
$5 \times 10 \times 10 \times 10 \times 10 \times 10$	12×10^4

