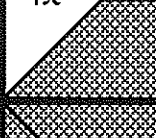
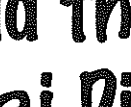
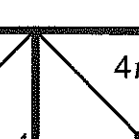
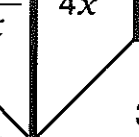

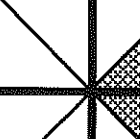
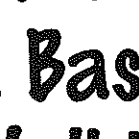
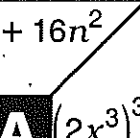
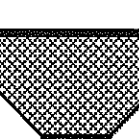
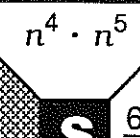


# Why Did the Panda Eat Dinner At the Shanghai Diner, Then Fire a Basketball Into the Trash Can Before Walking Out?

This puzzle provides practice in simplifying expressions. First cut out the 25 square puzzle pieces below. Then arrange the pieces so that each expression that can be simplified is next to its simplest form.

When the pieces are properly arranged, the letters inside them will answer the title question!

$n^8 + 3n^8$ $5x^3$ <b>A</b> $27x^3$ $6n^2 \cdot 11n^2$	$n^6 + n + n^6$ $\frac{x^4}{4x^7}$ <b>E</b> $(3x^2)^4$ 	$4n \cdot 9n$ $(3x)^3$ <b>T</b> $\frac{x^5}{3}$ $9n^3$	$15n^2 \cdot 2n^5$ $x^{36}$ <b>A</b> $\frac{49x^7}{7x^7}$ $21n^2$	 $x^7$ <b>P</b> $x^{10}$ $4n^3 \cdot 3n$
$9n^9$ $\frac{4x^3}{x^{10}}$ <b>L</b> $9n^4 \cdot 8n^3$	 <b>A</b> $\frac{x^9}{x^2}$ $7n^2$	$n \cdot n \cdot n$ $(12x)^2$ <b>T</b> $n^9 + 8n^9$	 <b>D</b> $16x^4$ $5n + 5n$	$4n^5 + 7n^5$ <b>N</b> $125x^3$ $5n^2 \cdot 12$
$72n^7$ $81x^8$ <b>S</b> 	$12n^4$ $(x^8)^3$ <b>E</b> $\frac{15x^4}{3x}$ $n + n + n$	$3n$ $4x$ <b>H</b> $(4x^2)^3$ $30n^7$	$5n^2 + 16n^2$ $12x^5$ <b>A</b> $(2x^3)^3$ 	$n^4 \cdot n^5$ <b>S</b> $\frac{60x^5}{15x^4}$ $4n^4 + n^4$
 $\frac{8x^2}{2x^5}$ <b>N</b> $(2x)^4$ $36n^2$	$5n^4$ <b>S</b> $(x^6)^6$ $6n \cdot n^6$	$15n^4$ $(5x)^3$ <b>D</b> $\frac{4}{x^7}$ $2n^6 + n$	 <b>A</b> $\frac{4}{x^3}$ $4n^8$	$7n^3 + 2n^3$ <b>O</b> $\frac{6x^2}{30x^5}$ $144x^2$ $3 \cdot 5n^4$
$66n^4$ $64x^6$ <b>O</b> $\frac{1}{5x^3}$ $11n^5$	 <b>E</b> $\frac{36x^6}{3x}$ $6n^7$	$10n$ $\frac{3x^7}{9x^2}$ <b>S</b> $n^3$	 <b>A</b> $x^{24}$ $2n^2 + 5n^2$	$60n^2$ $8x^9$ <b>V</b> $\frac{1}{4x^3}$ 