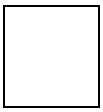
Color by Like Term

Have you ever painted a *paint by number* picture? Each space has a number, and you use the matching color to fill it in. Slowly, a secret picture appears! Today we are doing the same thing, but with math. Instead of numbers, each space has a **monomial**. On the side, you'll find a legend that shows which color matches each type of term. Your job is to color the picture by **like term**. When you finish, the hidden picture will be revealed!

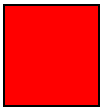
1. Look at the grid. Each space has a monomial inside (for example: 3x, 5y, 2x).
2. On the right side, there is a legend. The legend shows which color matches each type of term. Example: $-x^2$ Red, 9 → White, $5xy$ → Brown.
3. Find spaces that have the same type of term (like terms).
4. Color each space using the color from the legend.
5. When you finish, the picture will be complete! Tip: Like terms have the same variable part. Example: 3x and 2x are like terms, but 3x and 3y are not.

3	9	$3\frac{2}{3}$	$2x^2$	$5x^2$	$7x^2$	$-x^2$	$\frac{1}{2}x^2$	3.5	43	$\frac{9}{7}$	11
-93	$\frac{7}{5}$	$-9x^2$	$\frac{x^2}{3}$	$6x^2$	$11x^2$	$-4x^2$	$9x^2$	$2.1x^2$	$13x^2$	6.1	-3
4.2	0.1	$2xy$	$-xy$	$13xy$	$9x$	$0.9x$	$2.1xy$	$11x$	90	23	22
5	$-\frac{xy}{7}$	$2\frac{2}{5}x$	$\frac{2}{5}xy$	$\frac{x}{5}$	$-2x$	$3x$	$9xy$	$\frac{8x}{5}$	$-2x$	$-4x$	$1\frac{2}{3}$
16	$0.1xy$	$6x$	$11xy$	$0.3xy$	$9.5x$	$-3x$	$19x$	$\frac{2}{3}xy$	$5x$	$\frac{x}{2}$	$-x$
-1	xy	$19xy$	$0.5x$	$-\frac{1}{3}x$	x	$0.1x$	$0.2xy$	$22xy$	$-9xy$	$12xy$	9.1
$\frac{1}{3}$	31	3	$0.3x$	$6x$	$3x$	$2.1x$	$2x$	$11x$	$3x$	73	$3\frac{1}{2}$
27	0.9	$2.1xy^2$	$0.2xy^2$	$0.6x^2$	$11xy^2$	$\frac{xy^2}{3}$	$\frac{15}{31}xy^2$	0.3	-9	18	-2.3
8	$2xy^2$	$\frac{3}{5}xy^2$	$9.1xy^2$	$-x^2$	$95xy^2$	$2xy^2$	$\frac{5}{2}x^2$	$7xy^2$	$2.3xy^2$	$\frac{xy^2}{5}$	$\frac{3}{5}$
$13xy^2$	$-xy^2$	$42xy^2$	xy^2	$\frac{3x^2}{5}$	$35x^2$	$72x^2$	$-3x^2$	$1.1xy^2$	$-2xy^2$	$1.2xy^2$	$5xy^2$
$0.2x$	$6x$	$7xy^2$	$98x^2$	$2x^2y^2$	$-5x^2$	$10x^2$	$-x^2y^2$	$\frac{2}{3}x^2$	$\frac{7}{9}xy^2$	$0.4x$	$-x$
$9.1x$	$11x$	$-3x$	$80x^2$	$-2x^2$	$\frac{x^2}{12}$	$5x^2$	$\frac{x^2}{4}$	$0.5x^2$	$-\frac{x}{2}$	$-3x$	$42x$
$-4x$	x	$11x^2$	$45x^2$	$2x^2$	9	32	x^2	$4x^2$	$1.3x^2$	$8x$	$3\frac{x}{2}$
$11\frac{5}{7}$	4.3	$\frac{7}{2}x^2$	$2.7x^2$	$-3x^2$	62	6.4	$8x^2$	$\frac{3}{4}x^2$	$0.7x^2$	-4	4.5
311	$15xy$	$1.1xy$	$2xy$	-3	$\frac{65}{97}$	-0.3	11	$13xy$	$82xy$	$\frac{1}{3}xy$	9
$92xy$	$\frac{52}{3}xy$	$\frac{2xy}{5}$	xy	23	0.5	85	6	$-9xy$	$9.1xy$	$6xy$	$18xy$

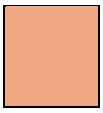
9



$-x^2$

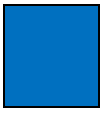


$4x$



$5xy$

$2xy^2$



$9x^2y^2$