

ACTIVITÉ

1. Pour chaque ligne du tableau, compléter la dernière case en simplifiant l'expression littérale.

| Numéro | Expression à simplifier | Résultat |
|--------|---|----------|
| 1 | $-3x + 5x - x$ | |
| 2 | $2x - 4 \times x + x$ | |
| 3 | $-x \times (-x)$ | |
| 4 | $-7x + 1 + 6x - 2 + 1$ | |
| 5 | $\frac{5x}{3} - \frac{2x}{3}$ | |
| 6 | $-\frac{7x}{2} + \frac{3x}{2} + x$ | |
| 7 | $-4x - (-7x + 2x)$ | |
| 8 | $5x^2 + x - (x + 2x \times 2x)$ | |
| 9 | $-(2x - x)$ | |
| 10 | $2x \times 6x - x - 3x \times 4x$ | |
| 11 | $10 + \frac{1}{2}x - 9 + \frac{1}{2}x - 1$ | |
| 12 | $\frac{1}{3}x \times \frac{1}{3}x + \frac{8}{9}x^2$ | |

2. Au verso de la page, en se référant au tableau, colorier la grille de façon à obtenir un pixel art.

| | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 |
| 9 | 9 | 9 | 9 | 11 | 11 | 9 | 9 | 9 | 9 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 9 | 9 | 9 | 9 |
| 9 | 9 | 9 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 12 | 11 | 9 | 9 | 9 |
| 9 | 9 | 9 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 11 | 9 | 9 | 9 |
| 9 | 9 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 11 | 9 | 9 |
| 9 | 9 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 11 | 9 | 9 |
| 9 | 9 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 12 | 12 | 11 | 9 | 9 |
| 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 |
| 6 | 6 | 7 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 7 | 6 | 6 |
| 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 6 |
| 6 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 6 |
| 6 | 7 | 6 | 12 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 12 | 6 | 7 | 6 |
| 4 | 5 | 4 | 8 | 8 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 8 | 8 | 4 | 5 | 4 |
| 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 |
| 4 | 5 | 5 | 8 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 8 | 5 | 5 | 4 |
| 5 | 4 | 4 | 4 | 8 | 8 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 4 | 4 | 4 | 5 |
| 5 | 4 | 4 | 8 | 4 | 4 | 4 | 8 | 4 | 8 | 8 | 8 | 4 | 8 | 4 | 4 | 4 | 8 | 4 | 4 | 5 |
| 1 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 1 |
| 2 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 1 | 2 |
| 2 | 2 | 1 | 2 | 2 | 1 | 3 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 3 | 1 | 2 | 1 | 2 | 2 |
| 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |

| Expression simplifiée | x | x^2 | $-x$ |
|-----------------------|------------------|------------------|-------------------|
| Couleur | <div></div> Noir | <div></div> Gris | <div></div> Blanc |