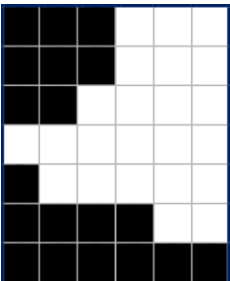


Proporcje

Rozwiąż poniższe równania w zeszyte i pokoloruj pola zgodnie ze wzorem, aby odkryć ukryty obrazek.

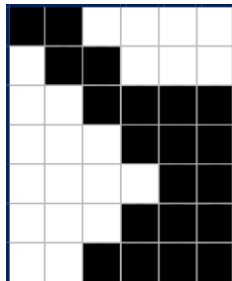
5	7	-3	-10	9
9	3	-8	0	9
-6	-4	6	4	9
9	-1	10	-7	2

1



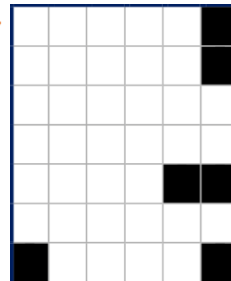
$$\frac{1}{x} = \frac{3}{12}$$

2



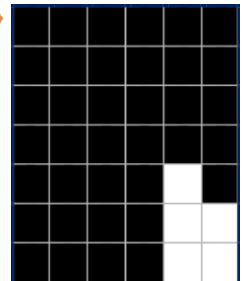
$$\frac{5}{15} = \frac{1}{x}$$

3



$$\frac{5}{x} = \frac{15}{21}$$

4



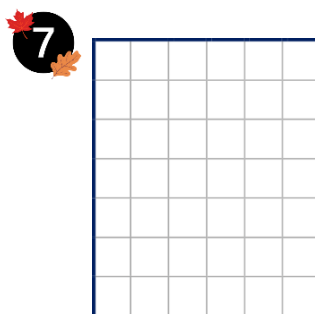
$$\frac{2}{3} = \frac{x}{9}$$



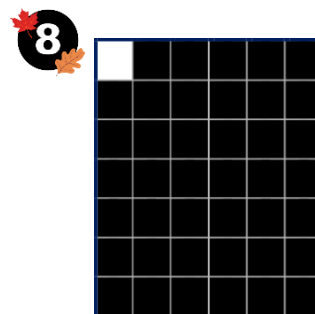
$$\frac{1}{3} = \frac{2x + 1}{7x - 2}$$



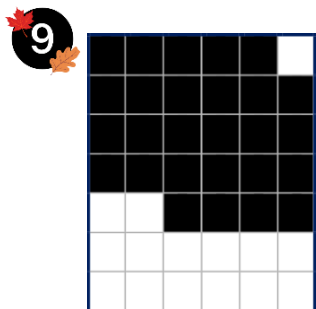
$$\frac{x + 1}{x} = \frac{3}{2}$$



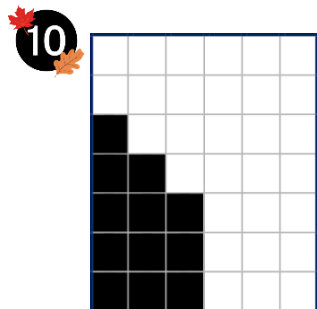
$$\frac{2}{3x + 1} = \frac{1}{x + 5}$$



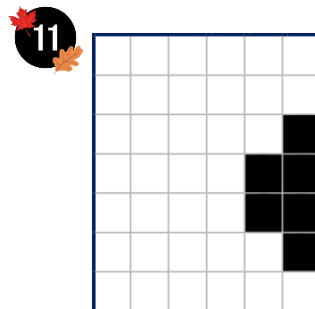
$$\frac{6}{3x + 2} = \frac{3}{x - 1}$$



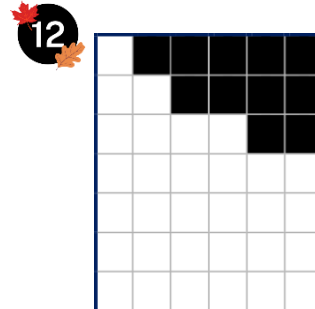
$$\frac{2x + 1}{x^2 + 5} = \frac{2}{x}$$



$$\frac{3x}{6x - 1} = \frac{x}{2x + 5}$$



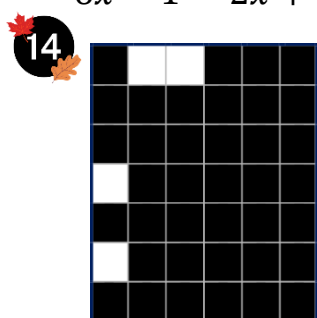
$$\frac{3}{-2x} = \frac{-3x + 2}{2x^2 + 8}$$



$$\frac{4}{-2x} = \frac{-2x + 8}{x^2 + 4}$$



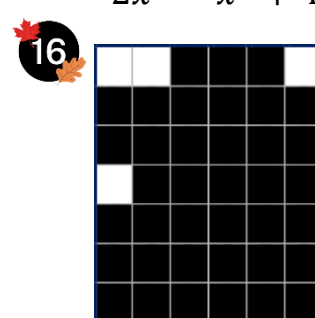
$$\frac{x^2 - 25}{2x^2 + 5x} = \frac{1}{2}$$



$$\frac{2}{x^2 + 7} = \frac{6}{3x^2 - 7x}$$

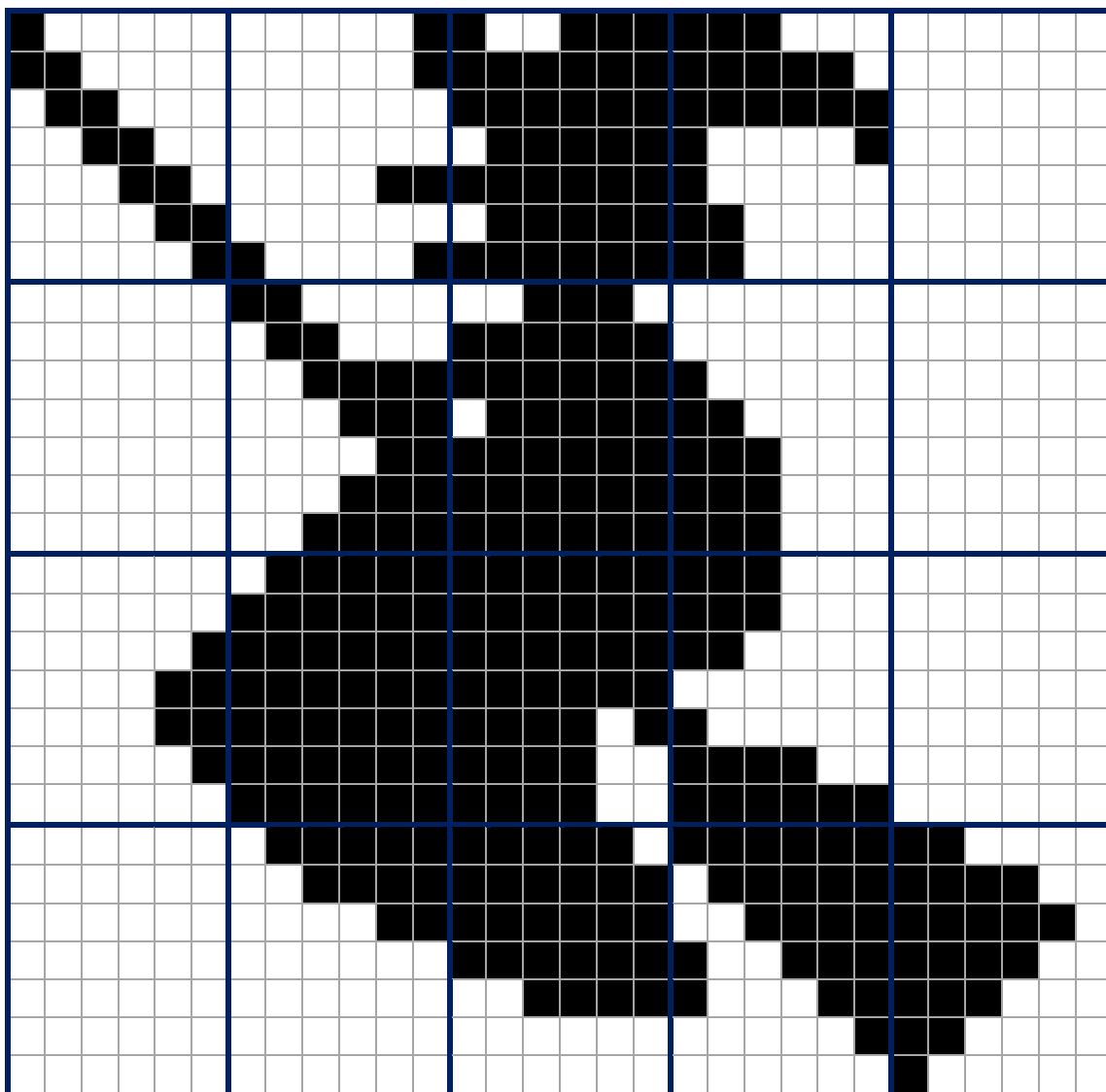


$$\frac{3x - 1}{9x^2 + 21} = \frac{2}{6x}$$



$$\frac{4x + 2}{5x - 10} = \frac{3}{5}$$

Rozwiązanie



1) $x = 4$

2) $x = 3$

3) $x = 7$

4) $x = 6$

5) $x = 5$

6) $x = 2$

7) $x = 9$

8) $x = -4$

9) $x = 10$

10) $x = 0$

11) $x = -6$

12) $x = -1$

13) $x = -10$

14) $x = -3$

15) $x = -7$

16) $x = -8$