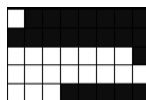


Pracovný list: POHODOVÁ MAĽOVANÁ KRÍŽOVKA – Lineárne rovnice

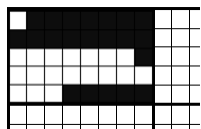
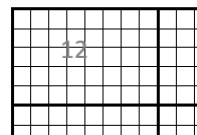
Nižšie je zadaných 16 lineárnych rovníc od najjednoduchších po zložitejšie. Ku každej rovnici je priradená časť maľovanej krížovky.

Vašou úlohou je vyriešiť jednotlivé lineárne rovnice. Koreň rovnice (číslo, môže byť aj zlomok) nájdite na prázdnej krížovke a prekreslite tam časť maľovanej krížovky, ktoré je znázornená pri danej rovnici.

- napr. daná je rovnica $x-1=11$ a k nej je priradená predloha



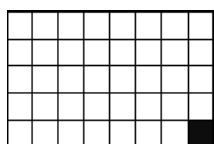
- riešením rovnice je číslo 12, predlohu umiestnime na pozíciu 12 v krížovke;



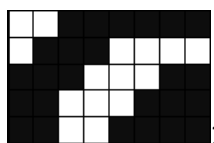
Lineárne rovnice:



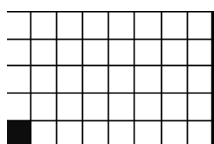
$$2x = 3x + 1$$



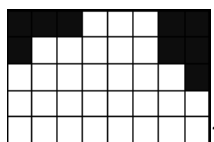
$$1 - 2x = -2x + 1$$



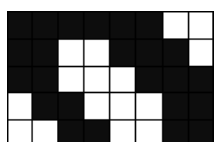
$$2x + 1 = -2 - 4x$$



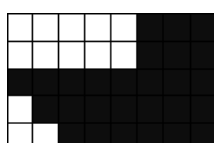
$$3x - 6 = -(5 - x)$$



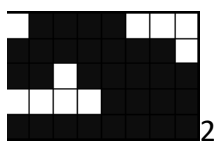
$$3x + 1 = 2x - (2 - x)$$



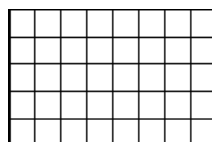
$$-4x - 4 = 3 \cdot (1 - x) - 3$$



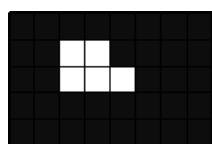
$$3 \cdot (x - 3) - (4x + 6) = -(8 + 2x)$$



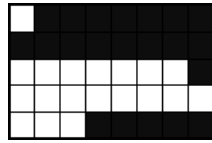
$$2x + 2 \cdot (x - 1) - x + 2 = -2x - (7 + 8x)$$



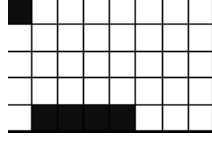
$$3 \cdot (x - 2) - 2 \cdot (1 + 3x) = 4 \cdot (2x - 2)$$



$$\frac{3}{4}(2x + 5) + \frac{1}{2}(x - 2) = 3 - \frac{1}{2}x$$



$$-\frac{3}{4}(4 + x) - \frac{1}{2}(x + 2) = 7 - 4x$$



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



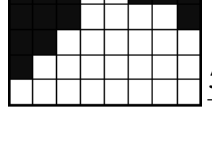
$$\frac{5x}{x + 4} - \frac{60}{x - 4} = 5$$



$$\frac{4}{x^2 - 1} + \frac{2x}{x + 1} = 2$$



$$\frac{4}{x + 3} - \frac{-15}{x^2 - 9} = \frac{3}{x - 3}$$



$$\frac{5 - 2x^2}{4x - 1} + \frac{x + 3}{2} = 3$$

Pohodová maľovaná krížovka ☺

0	R	$-7/13$	0,5
4	7	-1	2
-0,5	$1/10$	-2	-4
6	1	}	3