

Four Fours: Straight Line Graphs

The Maths Habit **ANSWERS**

Sort the 16 cards into **four groups of four** that describe the same line. Write the letters in each group, then the equation of the line.

A passes through (0, 1), (2, 2)	B passes through (0, 2), (2, 4)	C passes through (2, 5), (4, 9)	D passes through (0, -1), (1, 1)
E passes through (0, 1), (1, 3)	F gradient 2 y-intercept -1	G gradient $\frac{1}{2}$ y-intercept 1	H gradient 1 y-intercept 2
I passes through (2, 3), (5, 9)	J gradient 2 y-intercept 1	K $y - x = 2$	L $y - 2x = 1$
M $2y = x + 2$	N $y + 1 = 2x$	O passes through (4, 3), (6, 4)	P passes through (1, 3), (5, 7)

1	C	E	J	L	=	$y = 2x + 1$
2	D	F	I	N	=	$y = 2x - 1$
3	B	H	K	P	=	$y = x + 2$
4	A	G	M	O	=	$y = \frac{1}{2}x + 1$

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