

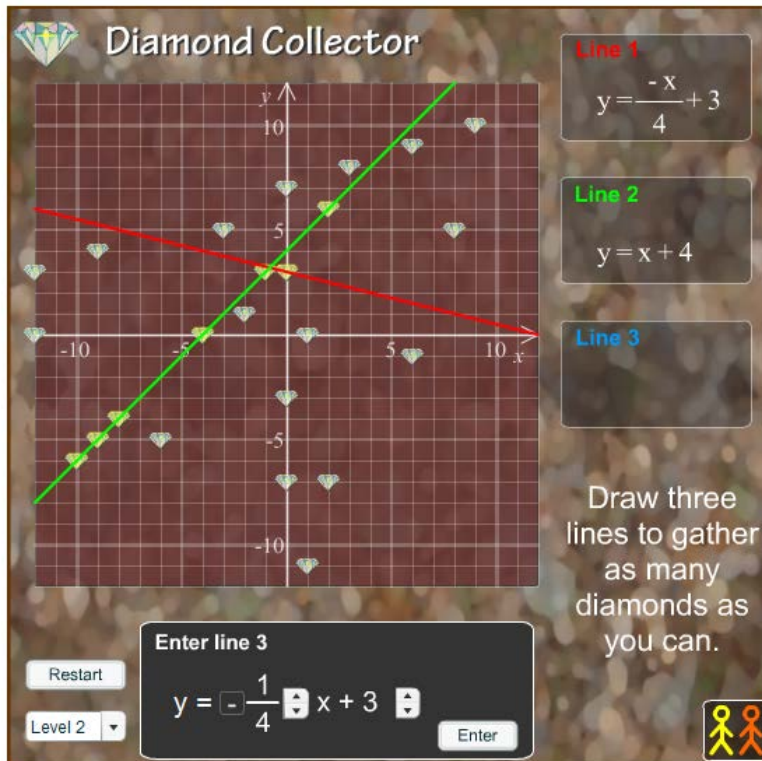
NRICH
Activités virtuelles en Mathématiques 10-20-30

Math 10C

Diamond Collector

<http://nrich.maths.org/5725>

[Full Screen Version](#)



The screenshot shows the 'Diamond Collector' game interface. It features a coordinate plane with a grid from -10 to 10 on both axes. A green line with a positive slope and a red line with a negative slope are drawn. Several diamonds are scattered on the grid, with some located in the region bounded by the two lines. To the right of the grid, there are three boxes labeled 'Line 1', 'Line 2', and 'Line 3'. Line 1 contains the equation $y = -\frac{x}{4} + 3$, Line 2 contains $y = x + 4$, and Line 3 is empty. Below the grid, there is a 'Restart' button, a 'Level 2' dropdown menu, and an input field for 'Enter line 3' containing the equation $y = -\frac{1}{4}x + 3$. An 'Enter' button is located to the right of the input field. At the bottom right, there is a small icon of two stick figures.



Math 10C

Finding Factors

<http://nrich.maths.org/7452>

Full Screen

New level 1

New level 2

New level 3

Click in the table to reveal answers, then work out row and column headers.

A purple and a green label can be dragged onto each header. Click on a label to remove it.

3
reveals left

Reveal all

		$x-5$	-4	-3	-2	-1	$+0$	$+1$	$+2$	$+3$	$+$			
\times		x	$+4$	x	$+1$	x	-3	x	$-$					
x	x	$+4$	x^2	$+8x$	$+16$	x^2	$+5x$	$+4$	x^2	$+x$	-12	x^2	$+9x$	$+2$
-5														
-4														
-3	x	$+2$	x^2	$+6x$	$+8$									
-2														
-1														
$+0$	x	-5	x^2	$-x$	-20									
$+1$														
$+2$														
$+3$	x		x^2	$+4x$										
$+4$														
$+5$														

**Pour les élèves en difficulté, passez quelques minutes sur :

Missing Mutlipliers

<http://nrich.maths.org/7382&part=>

Full Screen

New level 1

New level 2

New level 3

Click cells to reveal enough answers to be sure of the row and column headers.

Purple numbers can be dragged onto headers.

3
reveals left

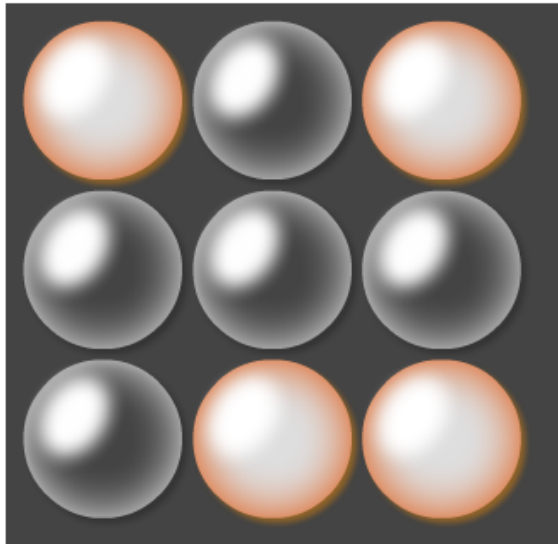
Reveal all

		2	3	4	6	7	8	9
\times		11	10	5	12			
2	11	121	110	55	132			
5	3	33	30	15	36			
6								
7								
8	9	99	90	45	108			
10	4	44	40	20	48			
12								

Math 20-2

9 Hole Light Golf

Stage: 1, 2, 3, 4 and 5 ★



Full Screen

Light Golf

Level 1 Par 5

Switches: 0

Score Card

Total: 0 on par 0

Score: level par

New Game

Math 30-1

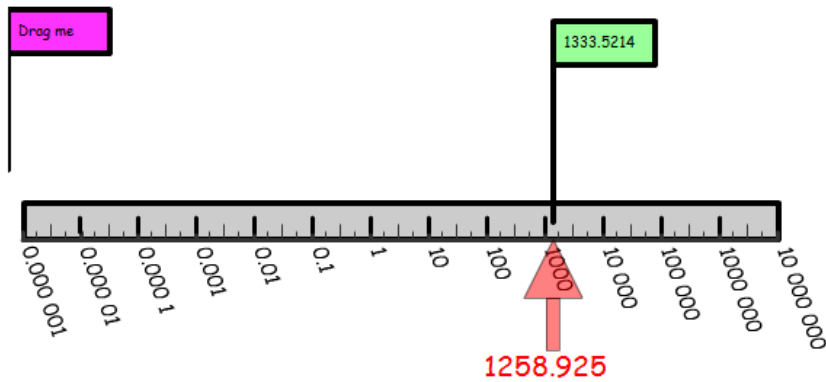
Power Match

<http://nrich.maths.org/6159>

Power Match

Stage: 5 ★

Drag the flags onto the logarithmic scale to match the target



Setup	3.1	
Powers of 10	New Target	10
Accuracy 1 mark	Show answer	Instant win!!