Mathematics Marathon 30/07/2023 Tasks

Polynomial Symplifications 30.07.28 Nº 13, 4, 6, 7 N= 2,6,14,16 Nº 1 1: 40-9.1-3/1 2 40-9.24 2 40-812-41 32-2-4.2+18-2-8+18=92X 24-23-4.2118=16-8-8+18=18 4 9 (3 + 2 + 21) = 27 + 36 = 63 8. (x-7)x = x2-7x 8×2 y - 4×xx102x 4xy - 2x - 2x - 2x - 2x 2,5.1-512+16.1-51+1-3.1-512-8.1-512+7-25.25 ¥ 90 +1-75 -120+7 =-14cx

51-61+161-61+1-31-512 +8.6 +725.25 * -80+1-75+40+7 = 125-80+1=75+40+7=18 [5 x2-3x2/+ (16x-8x) + 8 = = 2x2+8x+8 = 22.25780+8 = - 18. 6.3x2-5x12-1x2-4x+11= = 3x2-5x+2+x2+4x-1= - (3x2+x2)+ (5x+4x)+1= = 14x2 + x + 11 = 4.25 +5 +1= = 106 X 3×2-5×+2+-12-4×+11= 3x 2-5x + 2 (-11.1x21+4x715 = 3x2-5x42-X2+4xxx1= 2212-X+7=2.25-5-17= 50 - 4 - 46. 14. 12 m - 3 n 1 = [2m] - 2 - [2m - 15] + 3 n2 = 4m2 x 6mn + 2n2

