Math MIRV - 2

1. Let first twom = a and comamon difference = 'd'

$$a_1 = \frac{1}{2} = 7 \quad a = \frac{1}{2} = 0$$

$$48 = 17 \Rightarrow a + 7d = 17 \quad \textcircled{0}$$

$$a + 7d - a = 17 - 1$$

$$=7$$
 $7d = 28 = 7 d = 12$

$$= \underbrace{1}_{2} + 3 \times \underbrace{1}_{3}$$

2 0 0= 11 common difference = - 3 : let nth term = -150 : at (n-1) d = -150 11+ (n-1) (-3) = -150 11 - 3n + 3 = -150: -3n + 14 = -150 -3n = -164.: as n is a fraction here, -150 is not a term of this 57 = 1/9 $\left[5n = \frac{n}{2} (2a + (n-1)d) \right]$ 7 (2a+6d) = 119 =7 a+3d = 17 - 0 WI Knrw, SIT = 714 : 17 (29 + 16d) = 714 9+8d = 402 - @ Subtracting O from O 42 - 17 = 0+3d - a - 8d putting d= -5 in 0 17= 0,3(-5)

$\Rightarrow 17 = q - 15$ $\Rightarrow 7 = 15 + 15 = q$	YOUVA
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7 15 7 13 - 4	
	of the same of the
=> a=32; d=-5	
$S_n = n (2 \cdot 32 + (n-1) (-5))$	
-75p = n (64 - 5n + 5)	
$\therefore sn = \underbrace{89n}_{2} - \underbrace{5n}^{2}$	
$\therefore 5n = 69n - 5n^2 \text{ and } a = 30; d = -5.$	
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