

Question	Scheme	Marks	AOs
<b>2(a)</b>	$u_2 = 4p + q$	B1	1.1b
		<b>(1)</b>	
<b>(b)</b>	$4p + q = 10$	B1ft	1.1b
	$\sum_{r=1}^3 u_r = 42 \Rightarrow 4 + 10 + 10p + q = 42 \Rightarrow p = \dots, q = \dots$	M1	1.1b
	$p = 3, q = -2$	A1	1.1b
		<b>(3)</b>	

**(4 marks)**

### Notes

(a)

B1: Correct expression

(b)

B1ft: Correct equation or correct follow through equation.

i.e. their part (a) in terms of  $p$  and  $q = 10$

M1: Uses  $\sum_{r=1}^3 u_r = 42$  to establish another equation connecting  $p$  and  $q$  and solves simultaneously

with their equation from part (a) to find values for  $p$  and  $q$

A1: Correct values