

A Below is a sequence of numbers. Can you find the next two numbers in the sequence? Is this sequence linear?

3, 7, 11, 15, 19, _____, _____

B Below is a different sequence. Can you find the next two expressions in this sequence? Is this sequence linear?

$a+2b$, $a+2b$, $2a+4b$, $3a+6b$,

_____, _____

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C What is the value of V when $w=7$?

$$V = \frac{5w+9}{11}$$

D Can you derive an expression for the total value of t ?

4						10	11
16		$t-1$	t	$t+1$		22	23
28			$t+12$			34	35
40			$t+24$			46	47
52						59	60
64	65	66	67	68	69	70	71

JMC What is the value of: $1 - 2 \times 3 + 4 \div 5$?