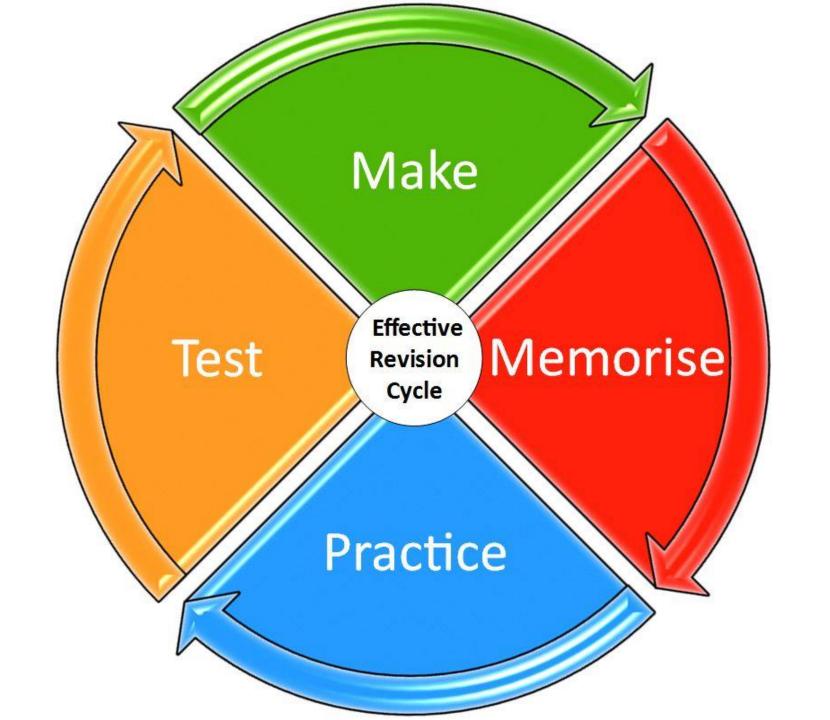
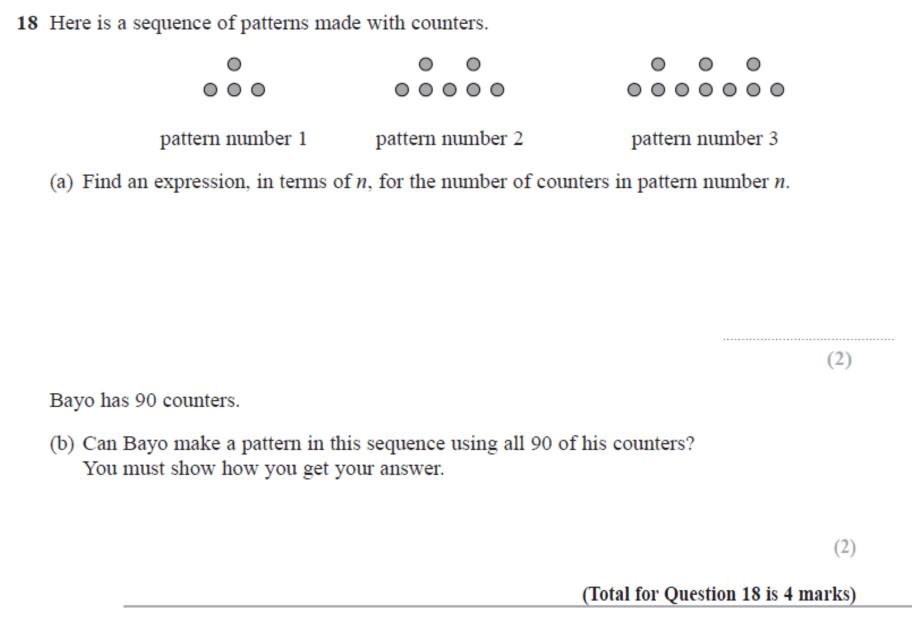
Effective Revision Cycle?





Question	Working	Answer	Mark
18 (a)		3n + 1	M1
			A1
(b)		No (supported)	C1
			C1

Mark	Notes
M1	for a method to deduce the nth term, eg. $3n + k$, where k is an integer or k is omitted
	or for $n = 3n + 1$
A1	for $3n + 1$ oe
	(accept n replaced by another letter)
C1	for using (their expression in (a)) = 90
	or shows that 88 or 91 is in the sequence
C1	for an answer of "No" and a convincing argument
	eg. pattern number 30 has 91 counters or (90 – 1) ÷ 3 (= 29.66)
	or shows that the next term after 88 is 91
	Note: no ft from (a)

