

44. 答案: A

解題要點:

這題目主要是在考“等比數列”。

一般解法:

$$81 = T_1; \quad 3 = T_4$$

$$\therefore \frac{T_4}{T_1} = \frac{aR^3}{a} = R^3 = \frac{3}{81} = \frac{1}{27}$$

$$\therefore R = \frac{1}{3}$$

$$a = T_2 = 81 \times R = 27$$

$$b = T_3 = T_2 \times R = 9$$

所以, $b - a = -18$

解法 2 (IQ 題):

其實只要看到是考“等比數列”, 同學應可估到 $a = 27, b = 9$