

5 M is the event that an A-level student selected at random studies mathematics.

C is the event that an A-level student selected at random studies chemistry.

You are given that $P(M) = 0.42$, $P(C) = 0.36$ and $P(M \text{ and } C) = 0.24$. These probabilities are shown in the two-way table below.

	M	M'	Total
C	0.24		0.36
C'			
Total	0.42		1

(a) In the **Printed Answer Booklet**, complete the copy of the two-way table. [2]

(b) Calculate the probability that an A-level student selected at random does **not** study chemistry **given that** they do **not** study mathematics. [2]