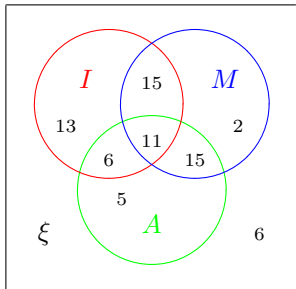


11. The Venn diagram represents students in Year 11 who study a musical instrument (I) mathematics (M) and art (A).



$$\begin{aligned}\xi &= \{\text{Year 11 students}\} \\ M &= \{\text{students who study maths}\} \\ A &= \{\text{students who study art}\} \\ I &= \{\text{students who study} \\ &\quad \text{a musical instrument}\}\end{aligned}$$

Find the number of students who study maths and art but not a musical instrument.

☐

5

☐

10

☐

22

☒

15

☐

none of these.