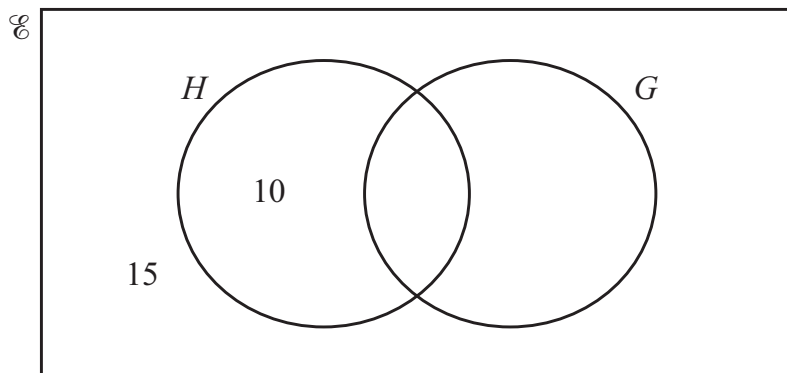


- 24  $\mathcal{E} = \{\text{students in a year group}\}$   
 $H = \{\text{students who study History}\}$   
 $G = \{\text{students who study Geography}\}$

80 students are in the year group.  
 40 students study History.



(a) Complete the Venn diagram. [2]

(b) Find  $n(G)$ .  
 ..... [1]

(c) A student is chosen at random.  
 Work out the probability that the student does not study History and does not study Geography.  
 ..... [1]

- 25 Expand and simplify.

$$(x + 3)(x - 2)$$

..... [2]

- 26 Write  $1.753 \times 10^8$  as an ordinary number.

..... [1]