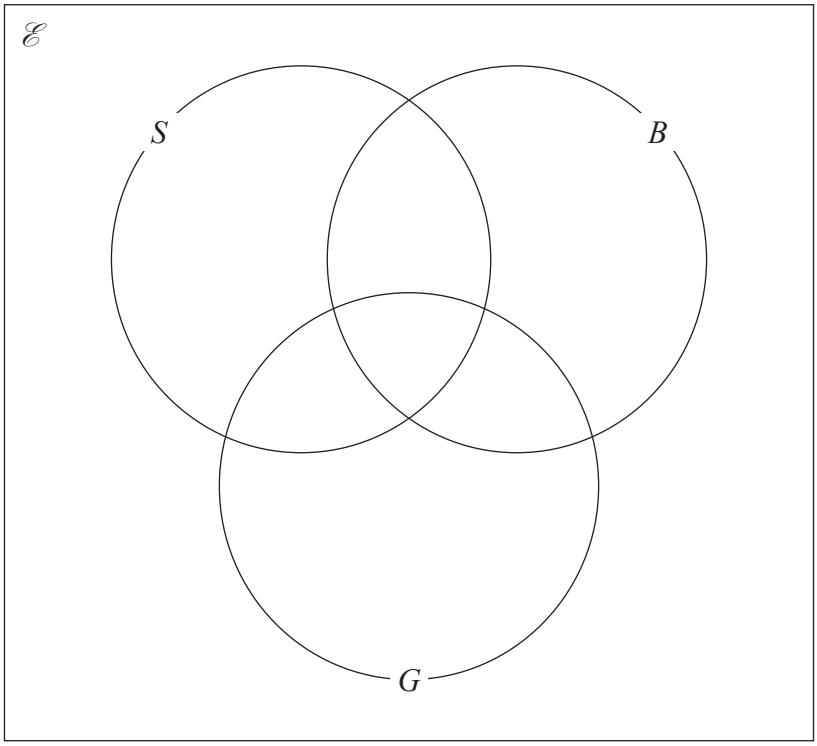
16 120 people who visited a sports centre were asked if they went swimming (S), played basketball (B) or used the gym (G).

Their answers showed that

28 people went swimming
16 people played basketball
27 people used the gym
3 people went swimming and played basketball
5 people played basketball and used the gym
7 people went swimming and used the gym
2 people went swimming, played basketball and used the gym

(a) Using this information, complete the Venn diagram to show the number of people in each region of the Venn diagram.



(3)

One of the people who went swimming is chosen at random.

(b) Find the probability that this person also played basketball.

(1)

(Total for Question 16 is 4 marks)

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