

- 4 A survey of university students revealed that
- 31% have a part-time job but do not play competitive sport.
 - 23% play competitive sport but do not have a part-time job.
 - 22% do not play competitive sport and do not have a part-time job.

(a) Show this information on a Venn diagram. [2]

A student is selected at random.

(b) Determine the probability that the student plays competitive sport **and** has a part-time job. [2]