Mathematics

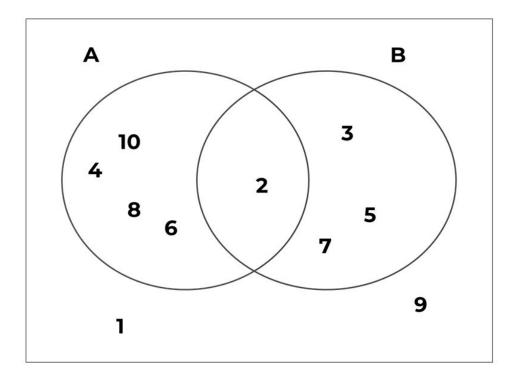
Venn diagrams and probability

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Questions

1)



A number is chosen at random from those shown on the Venn diagram

Find:

- a) P(B)
- b) P(B')
- c) $P(A \cap B)$



Questions

- 2) Draw a Venn diagram to show:
- = {integers from 10 to 20}

E = {even numbers}

M = {multiples of 5}

- b) A number is chosen at random from those in the Venn diagram. Find:
- i) P(M)
- ii) $P(E \cap M)$
- iii) $P(E \cup M)$
- $i\vee)P(E^{'}\cap M)$
- $\vee) P(E \cap M)'$



Questions

3) Some students were asked if they played badminton or squash.

The Venn diagram shows information about their answers.

A student is chosen at random. Work out:

- a) P(B)
- b) P(S)
- c) $P(B \cap S')$

