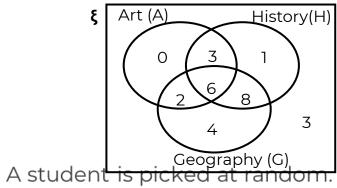
Probability from Venn diagrams using further set notation (3 sets)

Maths



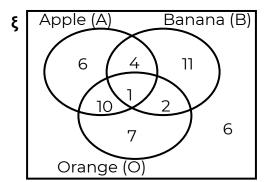
Probability from Venn diagrams (3 sets)

1. The Venn diagram shows students option choices in year 10.



- Work out $P(A \cap H \cap G)$
- Work out P(A U G)
- Work out $P(A \cap G|G)$
- Work out $P(A \cap G|H)$

2. The Venn diagram shows peoples choices of favourite fruit.



A person is picked at random.

- a) Work out $P(A' \cap B)$
- b) Work out P(A' n B|B)
- c) Work out P(A n O|B)
- d) Work out P(A U O|B)

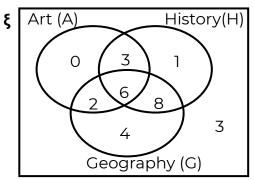


Answers



Probability from Venn diagrams (3 sets)

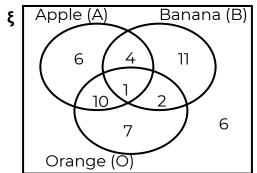
1. The Venn diagram shows students option choices in year 10.



A student is picked at random.

- a) Work out P(A n H n G) 💃
- b) Work out P(A u G)
- c) Work out P(A n G|G)
- d) Work out $P(A \cap G|H)$

2. The Venn diagram shows peoples choices of favourite fruit.



A person is picked at random.

- a) Work out $P(A' \cap B)$ 13
- b) Work out $P(A' \cap B|B)^{47}$
- c) Work out $P(A \cap O|B)$
- d) Work out $P(A \cup O|B)$



