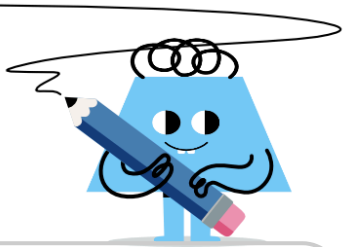
Name



Probability Union, Intersection, Complement - Formula to Description

1

This formula calculates the probability of what?

$$P(A) \cdot P(B)$$

A Either A or B happening	B Both A and B happening
C Event A happening, given that B has happened	D Event A not happening

2

This formula calculates the probability of what?

$$1 - P(A)$$

A Event A happening, given that B has happened	B Event A not happening
C Either A or B happening	D Both A and B happening

3

This formula calculates the probability of what?

$$P(A) + P(B) - P(A \cap B)$$

A Both A and B happening	B Either A or B happening
C Event A not happening	D Event A happening, given that B has happened

4

This formula calculates the probability of what?

$$\frac{P(A \cap B)}{P(B)}$$

A Either A or B happening

B Both A and B happening

C Event B happening, given that A has happened

D Event A happening, given that B has happened