



Math worksheet on 'Probability Union, Intersection, Complement - Formula to Description (Level 1)'. Part of a broader unit on 'Probability - Set Operations - Practice'

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1

This formula calculates the probability of what?

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

- | | |
|----------------------------------|---|
| a Either A or B happening | b Event A happening, given that B has happened |
| c Event A not happening | d Both A and B happening |

2

This formula calculates the probability of what?

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

- | | |
|---|----------------------------------|
| a Event A happening, given that B has happened | b Either A or B happening |
| c Both A and B happening | d Event A not happening |

3

This formula calculates the probability of what?

$$1 - P(A)$$

- | | |
|---|----------------------------------|
| a Both A and B happening | b Event A not happening |
| c Event A happening, given that B has happened | d Either A or B happening |