**Venn Diagrams GREEN**

1. ξ = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}

A = multiples of 3

B = multiples of 5

a) Complete the Venn diagram.

One of the numbers is selected at random.

b) Write down P (A ∩ B)

………………………………………………………

2. Here is a Venn diagram.

Write down the numbers that are in set:

a) B

………………………………………………………

b) A ∪ B

………………………………………………………

c) Write down P (A’)

………………………………………………………

3. Here is a Venn diagram.

Write down the numbers that are in set:

a) A ∩ B

………………………………………………………

b) A ∪ B

………………………………………………………

c) A'

………………………………………………………

One of the numbers in the diagram is chosen at random.

d) Find the probability that the number is in set B’

………………………………………………………

4. Here is a Venn diagram. A number is chosen at random.

a) Write down P (A ∩ B')

………………………………………………………

b) Write down P (A' ∪ B')

………………………………………………………

c) Write down P (B | A)

………………………………………………………

**Venn Diagrams AMBER**

1. ξ = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}

A = multiples of 3

B = multiples of 5

a) Complete the Venn diagram.

One of the numbers is selected at random.

b) Write down P (A ∩ B)



………………………………………………………

2. Here is a Venn diagram.

Write down the numbers that are in set:

a) B

………………………………………………………

b) A ∪ B



………………………………………………………

c) Write down P (A’)

………………………………………………………

3. Here is a Venn diagram.

Write down the numbers that are in set:

a) A ∩ B



………………………………………………………

b) A ∪ B



………………………………………………………

c) A'

………………………………………………………

One of the numbers in the diagram is chosen at random.

d) Find the probability that the number is in set B’

………………………………………………………

4. Here is a Venn diagram. A number is chosen at random.

a) Write down P (A ∩ B')

………………………………………………………

b) Write down P (A' ∪ B')

………………………………………………………

c) Write down P (B | A)

“The probability of B, given A”

………………………………………………………

**Venn Diagrams RED**

1. ξ = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}

A = multiples of 3

B = multiples of 5

a) Complete the Venn diagram.

One of the numbers is selected at random.

b) Write down P (A ∩ B)



………………………………………………………

2. Here is a Venn diagram.

Write down the numbers that are in set:

a) B



………………………………………………………

b) A ∪ B



………………………………………………………

c) Write down P (A’)

P (?) means “the probability of…”



………………………………………………………

3. Here is a Venn diagram.

Write down the numbers that are in set:

a) A ∩ B



………………………………………………………

b) A ∪ B



………………………………………………………

c) A'



………………………………………………………

One of the numbers in the diagram is chosen at random.

d) Find the probability that the number is in set B’



………………………………………………………

4. Here is a Venn diagram. A number is chosen at random.

a) Write down P (A ∩ B')

………………………………………………………

b) Write down P (A' ∪ B')

………………………………………………………

c) Write down P (B | A)

“The probability of B, given A”

………………………………………………………