4 ξ = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21}
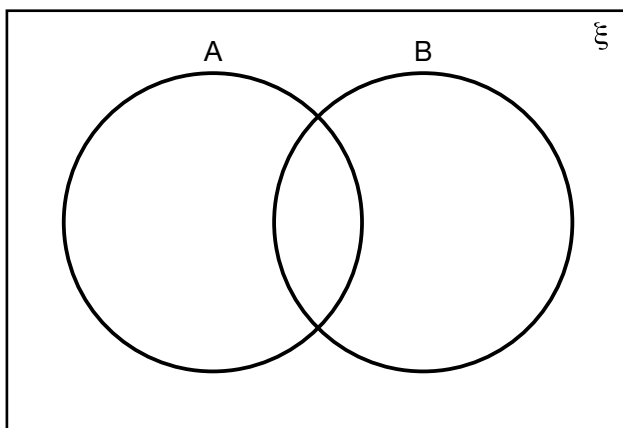
A = Prime numbers

B = Factors of 21

(a) Complete the Venn diagram shown above.

[3 marks]

One of the numbers is chosen at random.

(b) Find the probability that the number is in A ∪ B

[1 mark]

(c) Find the probability that the number is in (A ∪ B)'

[1 mark]

[Total for Question 4 is 5 marks]