

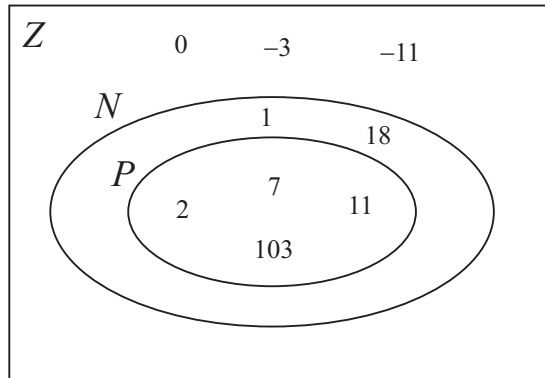
SAMPLE PAPER 5: PAPER 1

QUESTION 3 (25 MARKS)

Question 3 (a)

Prime numbers: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29

Question 3 (b)



Question 3 (c)

Common difference = 6

Possibility 1: **157**, 163, 169 [169 = 13×13 so 169 is not a prime.]

Possibility 2: 151, **157**, 163

Possibility 3: 145, 151, **157** [145 is divisible by 5 so 145 is not a prime.]

Therefore, 151, 157 and 163 are the three consecutive prime numbers.
