14 There are 135 passengers on a plane.

3 of the passengers in Business Class are flying for the first time.

In total, there are 15 passengers in Business Class.

$\frac{1}{4}$ of the passengers **not** in Business Class are flying for the first time.
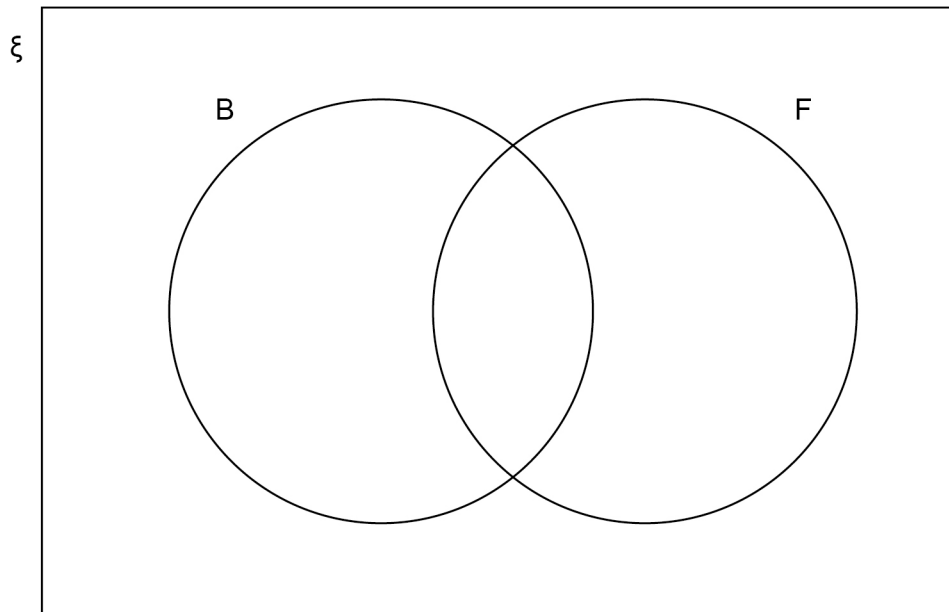
14 (a) In the Venn diagram,

ξ = passengers on the plane

B = passengers in Business Class

F = passengers flying for the first time.

Complete the Venn diagram.

[4 marks]

15

14 (b) One of the passengers is chosen at random.

Write down the probability that the passenger is in Business Class.

[1 mark]

Answer _____

15 A line has the equation $y = x + 3$

15 (a) Write down the coordinates of the point where the line intersects the y-axis.

[1 mark]

Answer (_____ , _____)

15 (b) Write down the coordinates of the point where the line intersects the x-axis.

[1 mark]

Answer (_____ , _____)

7

Turn over ▶