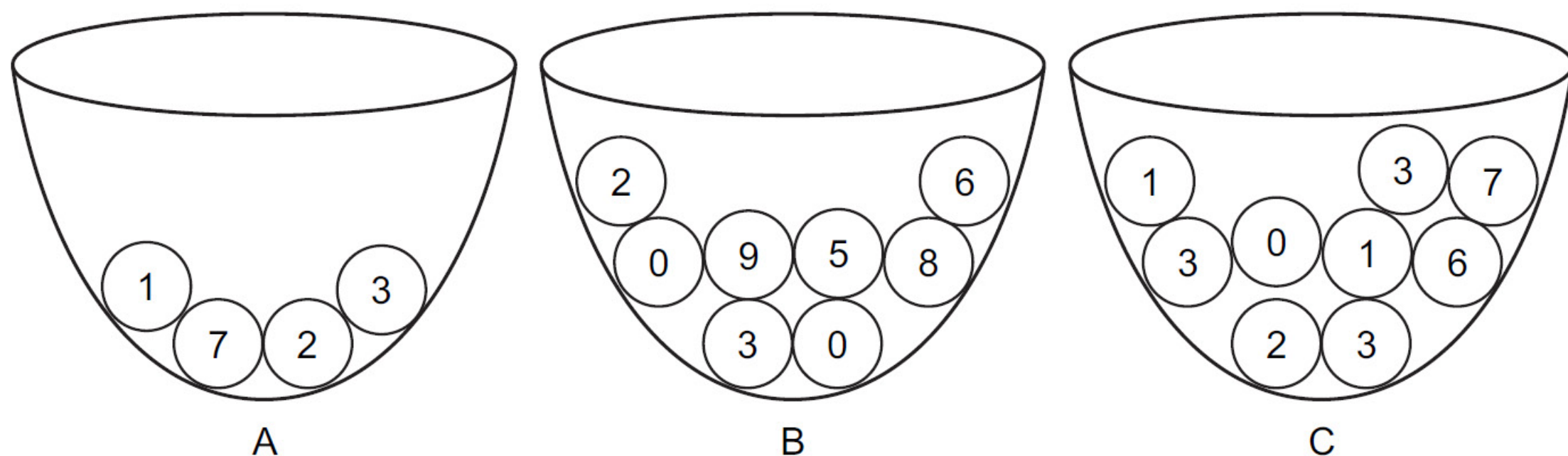**15**   Numbered balls are placed in bowls A, B and C

In bowl A there are four balls numbered 1, 2, 3 and 7

In bowl B there are eight balls numbered 0, 0, 2, 3, 5, 6, 8 and 9

In bowl C there are nine balls numbered 0, 1, 1, 2, 3, 3, 3, 6 and 7

This information is shown in the diagram below.

A   B   C

A three-digit number is generated using the following method:

- a ball is selected at random from each bowl
- the first digit of the number is the ball drawn from bowl A
- the second digit of the number is the ball drawn from bowl B
- the third digit of the number is the ball drawn from bowl C

15 (a)   Find the probability that the number generated is even.

[1 mark]

15 (b)   Find the probability that the number generated is 703

[2 marks]

15 (c)   Find the probability that the number generated is divisible by 111

[2 marks]