SYSTEMATIC LISTING

OCR GSCE – Thursday 24 May 2018 – Paper 4 (Calculator) Higher Tier

1.

13 A menu has

- 6 starters
- 10 main dishes
- 7 desserts.

(a) A three-course meal consists of a starter, a main dish and a dessert.

How many different three-course meals are possible?

(a) .... [2]

(b) A two-course meal consists either of a starter with a main dish, a starter with a dessert or a main dish with a dessert.

Show that there are 172 possible different two-course meals. [3]