



EXAM PAPERS PRACTICE

GCSE Edexcel Math
1MA1
Counting

Question Paper

*"We will help you to
achieve A Star "*



Question 1

Jeff is choosing a shrub and a rose tree for his garden.

At the garden centre there are 17 different types of shrubs and some rose trees.

Jeff says,

“There are 215 different ways to choose one shrub and one rose tree.”

Could Jeff be correct?

You must show how you get your answer.

[2 marks]

Question 2

12 teams play in a competition.

Each team plays each other team exactly once.

(b) Work out the total number of games played.

[2 marks]



Question 3

Two of the men are to be chosen to make a pair to sing the second song.

Ben thinks the number of different pairs that can be chosen is 136

Mark thinks the number of different pairs that can be chosen is 272

- (b) Who is correct, Ben or Mark?
Give a reason for your answer.

[1 mark]

Question 4

There are 12 boys and 10 girls in David's class.

David is going to pick three different students from his class and write their names in a list in order.

The order will be

boy
girl
boy

or

girl
boy
girl

- (b) How many different lists can David write?

[3 marks]



Question 5

Tracey is going to choose a main course and a dessert in a cafe.
She can choose from 8 main courses and 7 desserts.

Tracey says that to work out the number of different ways of choosing a main course and a dessert you add 8 and 7

- (a) Is Tracey correct?
You must give a reason for your answer.

[1 mark]

Question 6

There are 17 men and 26 women in a choir.
The choir is going to sing at a concert.

One of the men and one of the women are going to be chosen to make a pair to sing the first song.

- (a) Work out the number of different pairs that can be chosen.

[2 marks]



Question 7

Marie has 25 cards.

Each card has a different symbol on it.

Marie gives one card to Shelley and one card to Pauline.

(a) In how many different ways can Marie do this?

[2 marks]