- 1 A building company employs
 - 2 labourers
 - 14 joiners
 - 9 electricians
 - 8 plumbers.

For a job, the company needs one of each type of worker.

In how many ways can the company choose the four workers? 1 (a)

[2 marks]



Answer	2016	

1 (b) One labourer and two plumbers are on holiday.

In how many ways can the company now choose the four workers?

[2 marks]





Answer _ 756

2 In a video game, players make their own character.

They choose one of each from

- 8 faces
- 4 bodies
- 5 hairstyles.
- 2 (a) How many different characters can be made?

[2 marks]

8 × 4 × 5 = 160	
0	

Answer 60

3 Fatima is choosing a 4-digit code.

Each digit is a whole number from 0 to 9

She decides

all her digits will be odd numbers no digits will be repeated.

How many different codes can she make?

[2 marks]

Answer