

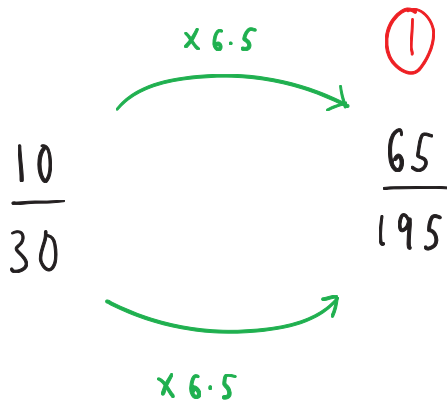
1. Hannah is planning a day trip for 195 students.

She asks a sample of 30 students where they want to go.
Each student chooses one place.

The table shows information about her results.

Place	Number of students
Theme Park	10
Theatre	5
Sports Centre	8
Seaside	7

(i) Work out how many of the 195 students you think will want to go to the Theme Park.



①

65

(2)

(ii) State any assumption you made **and** explain how this may affect your answer.

Assumed that the sample is representative - otherwise, our answer would be wrong. ①

(1)

(Total for Question is 3 marks)

2. Each person in a fitness club is going to get a free gift.
Stan is going to order the gifts.

Stan takes a sample of 50 people in the fitness club.
He asks each person to tell him the gift they would like.

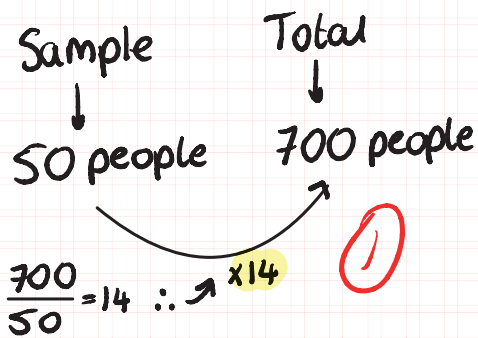
The table shows information about his results.

Gift	Number of people
sports bag	17
gym towel	7
headphones	11
voucher	15

$$17 \times 14 = 238$$

There are 700 people in the fitness club.

- (i) Work out how many sports bags Stan should order.



238 (1)

(2)

- (ii) Write down any assumption you made and explain how this could affect your answer.

We've assumed the sample is representative (1)

(1)