**3** There is a total of 360 students and teachers at a school.
A trip is organised and 65% of the students and teachers bought tickets to go on this trip.

(a) Work out how many of the students and teachers bought tickets to go on the trip.

(2)

The number of teachers, the number of male students and the number of female students who bought tickets to go on the trip are in the ratios 1 : 3 : 5

(b) Calculate the number of female students who bought tickets to go on the trip.

(2)

All the male students who bought tickets went on the trip but 4 of the female students who bought tickets did **not** go on the trip.

(c) Find the ratio of the number of male students who went on the trip to the number of female students who went on the trip.

Give your answer in its simplest form.

(3)

P 4 8 4 1 2 A 0 4 3 2

**Question 3 continued**

(Total for Question 3 is 7 marks)