

GCSE Biology A (Gateway)

J247/02 B4-B6 and B7 Foundation (Foundation Tier)

Question Set 13

1 (a) The sex chromosomes determine the sex of a baby.

What are the sex chromosomes of a male and of a female?

(b) The data in the table shows the ratio of males to females in England and Wales.

	Ratio of males to females in England and Wales
At birth	105 males : 100 females
Average over the whole population	98 males : 100 females

(i) What percentage of babies are male at birth?

Answer = $\sum I_{P} Z^{*}/$

(ii) In a hospital 410 babies are born in a week.

Calculate how many of them are likely to be male.

Answer =
$$210$$

 $410 \times \frac{51.2}{100} = 209.92$
 $100 \approx 210$ [1]

(iii) On average, men do not live as long as women.

How does the data in the table show this?

In the whole population true are more females even though more males are bourn than females. [2] because more males die reducing male population. Total Marks for Question Set 13:6



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