GCSE Biology A (Gateway)

J247/04 Biology A B4-B6 and B7 (Higher Tier)

Question Set: 11

1 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

(a) Describe how sex is determined in humans. You may use a genetic diagram in your answer.

XX = female
XY = male

	X	Y
X	XX	XY
X	XX	XY

[2]

(b) In 2015 there were approximately 698 000 babies born in England and Wales. Calculate how many of these were male.

$\frac{698\,000}{205} \times 105 = 357\,512$

[2]

(c) There are more females than males living in England and Wales as an average over the whole population.

Suggest **one** reason why there are more females.

Males don't live as long

[1]

Total Marks for Question Set 11: 5

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