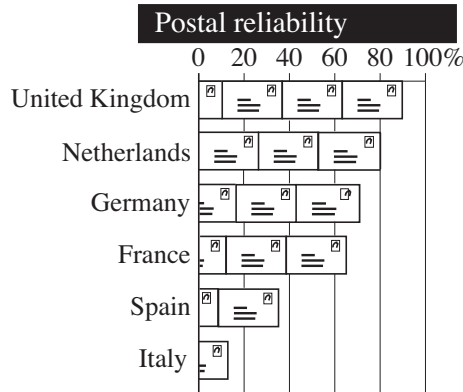


UNIT 15 *Data Collection*

CSEC Revision Test

1. The chart shows the percentage of letters that were delivered the day after posting in each of six European countries during one year



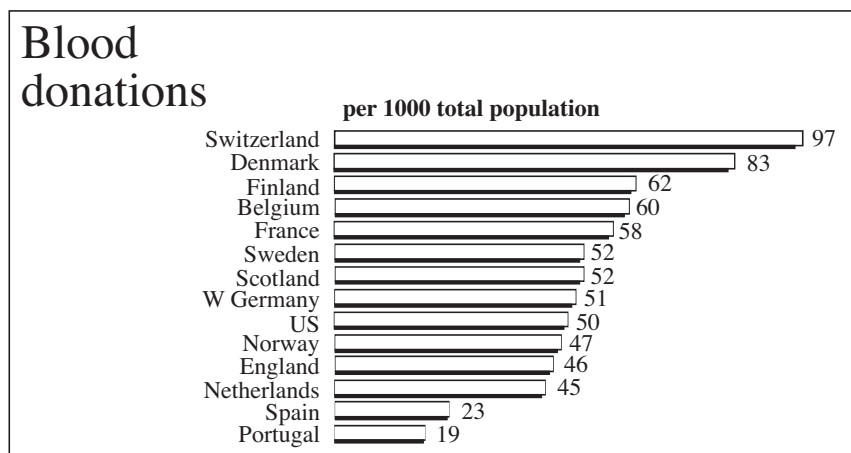
- (a) In Germany, 72% of all letters posted were delivered the next day.
Write 72% as a fraction in its simplest form. (1 mark)
- (b) Which country had approximately $\frac{7}{20}$ of its letters delivered the next day? (1 mark)
- (c) Forty million letters are posted every day in the United Kingdom.
Nine-tenths of these are delivered the next day.

In your head, calculate $\frac{9}{10}$ of 40 000 000.

Write down your answer.

Explain clearly how you worked out your answer. (2 marks)

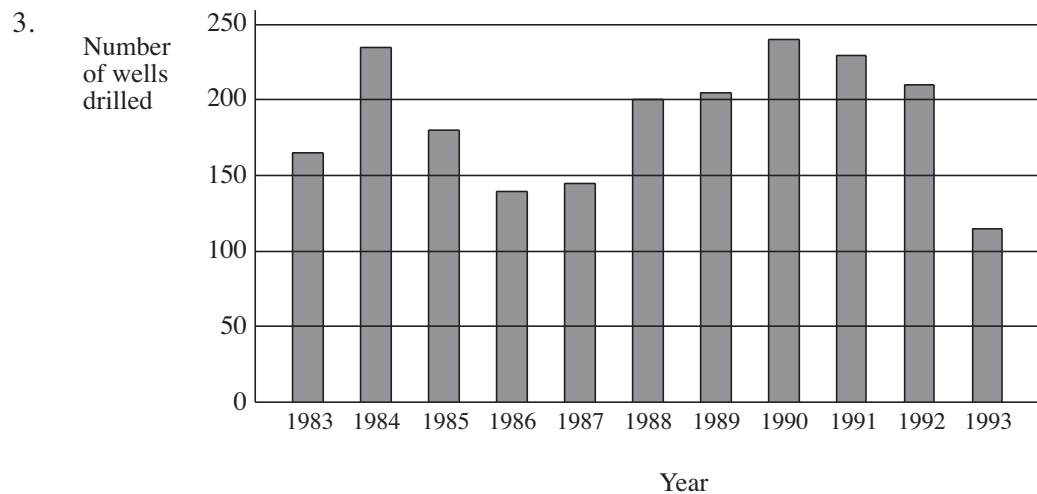
2. The bar chart below shows the proportions of blood donors in 14 European countries.



- (a) In Belgium, 60 people in every 1000 are blood donors.
How many people in every 100 is this? (1 mark)

UNIT 15 *Data Collection***CSEC Revision Test**

- (b) Which country has 5.8% of its population giving blood? (1 mark)
- (c) What is wrong with the following statement?
England has twice as many blood donors as Spain. (2 marks)
- (d) There are approximately 8 pints of blood in the human body.
 How many litres is this?
 (1 litre = 1.75 pints) (2 marks)



The bar chart shows the number of oil wells drilled in the North Sea between 1983 and 1993.

- (a) In which year were the most wells drilled? (1 mark)
- (b) How many wells were drilled in 1988? (1 mark)
- (c) How many wells were drilled in 1991? (1 mark)

TOTAL MARKS: 13

UNIT 15 *Data Collection***CSEC Revision Test****ANSWERS**

1. (a) $\frac{18}{25}$ B1
 (b) Spain B1
 (c) 36 000 000, since $\frac{9}{10}$ of 40 is 36 M1 A1 (4 marks)
2. (a) 6 (b) France B1 B1
 (c) This is only true if the total populations are the same B2
 (d) $\frac{8}{1.75} \approx 4.57$ litres (allow 4.6) M1 A1 (6 marks)
3. (a) 1990 (b) 200 (c) 230 B1 B1 B1 (3 marks)

(TOTAL MARKS: 13)