1 Javed says that his eyes will blink 415 000 000 times in 79 years.

(a) Write 415 000 000 in standard form.

Answer (a) .... [1]

(b) One year is approximately 526 000 minutes.
Calculate, correct to the nearest whole number, the average number of times his eyes will blink per minute.

Answer (b) .... [1]

MARK SCHEME:

a) 4.15×10^8 final answer cao	B1		
b) 10 cao	B1		2

2 The population of Europe is 580 000 000 people.
The land area of Europe is 5 900 000 square kilometres.

(a) Write 580 000 000 in standard form.

Answer (a)... [1]

(b) Calculate the number of people per square kilometre, to the nearest whole number.

Answer (b) .... [2]

MARK SCHEME:

(a)	1:1000	1		
(b) (i)	accurate perp bisector of AD, with two pairs of arcs	2	SC1 if accurate but no arcs SC1 if accurate arcs but no line	
(ii)	accurate bisector of <BCD, with two pairs of arcs	2	SC1 if accurate but no arcs SC1 if accurate arcs but no line	
	T marked in correct position	1	Indep.	6