

Penny has worked out $\frac{81.3 \times 59.2}{1.9^2}$ on her calculator.

Her answer is 13 332.299 17

Penny's answer is not sensible.

- 1 (c) By rounding each number to one significant figure, work out a suitable estimate to show that her answer is not sensible.
Show your working clearly.

$$\begin{array}{r}
 80 \times 60 \\
 \hline
 1^2 \quad (1) \\
 \\
 = \frac{4800}{4} \\
 \\
 = 1200 \quad (1)
 \end{array}$$

(2)

(Total for Question 1 is 2 marks)