

- 1 Nav has worked out $\frac{68.3 \times 42.8}{0.021}$ on his calculator.

His answer is 139 201.9048

Without using a calculator and using suitable approximations, check that his answer is sensible. Show your working clearly.

For approximation :

let $68.3 = 70$ ← round up

$42.8 = 40$ ← round down

$0.021 = 0.02$

$$\frac{70 \times 40}{0.02 \text{ (1)}} = \frac{2800}{0.02} = \frac{2800}{\frac{2}{100}}$$

$$= \frac{280000}{2}$$

$$= 140\,000 \text{ (1)} \text{ . Yes his answer is sensible .}$$

(Total for Question 1 is 2 marks)