

1 When rounded to 3 significant figures,  $x = 6.37$

Circle the correct error interval.

[1 mark]

$$6.365 \leq x < 6.375$$

$$6.36 \leq x < 6.38$$

$$6.369 \leq x < 6.379$$

$$6.365 \leq x < 6.3749$$

2 Millie is estimating the value of  $\frac{1}{\left(\sqrt[3]{8.34}\right)^2} \times 10.21$

She rounds each decimal number to 1 significant figure.

- 2 (a) Work out Millie's estimate.  
You **must** show your working.

[2 marks]

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Answer \_\_\_\_\_

- 2 (b) Millie says,  
"My estimate must be more than the exact value."

**Without working out the exact value**, give a reason how she can know this.

[1 mark]

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