1 Use approximations to estimate the answer to $\frac{\sqrt{97} + 2.014^3}{0.49}$

[3 marks]

Answer

	٦
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.	
Work out Millie's estimate.	
You must show your working.	[2 marks]
Answer	
•	
Without working out the exact value, give a reason how she can know this.	[1 mark]
	\(\frac{3}{8.34} \)^2 × 10.21 She rounds each decimal number to 1 significant figure. Work out Millie's estimate. You must show your working. Answer Millie says, "My estimate must be more than the exact value."

3 (a) Here are two calculations, A and B.

A
$$1.92^7 + 6.9^3$$

Use approximations to show that	answer to A < answer to B	[3 marks]