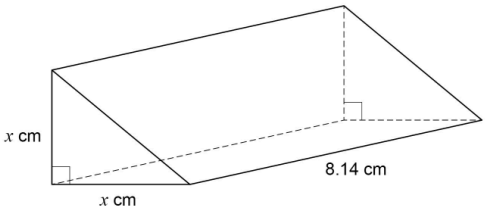
Q1. (2019)

13 The triangular cross section of a prism is an isosceles right-angled triangle.



The volume of the prism is 102 cm^3

Use approximations to estimate the value of x.

You **must** show your working.

[3 marks]

Q2. (2021)

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

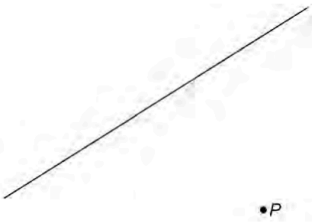
[3 marks]

Q3. (2024)

2 Measure the **shortest** distance from point P to the line.

Give your answer in millimetres.

[1 mark]



Answer _____ mm

Q4. (2024)

15 (a) Between which two **consecutive** integers does the square root of 210 lie?

[1 mark]

Answer _____ and _____

Q5. (2024)

15 (b) Here are two calculations, A and B.

A	**B**
$1.92^7 + 6.9^3$	$5 \times \sqrt[3]{1\,000\,350}$

Use approximations to show that answer to A < answer to B

[3 marks]