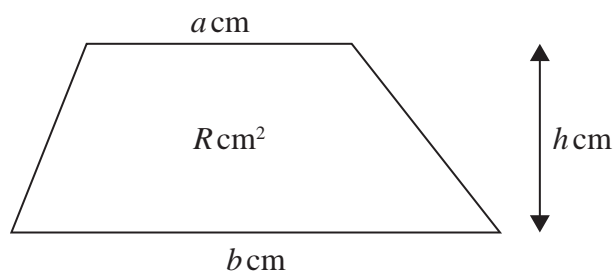


23

Diagram **NOT**
accurately drawn

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

The diagram shows a trapezium in which the parallel sides are of length $a \text{ cm}$ and $b \text{ cm}$

The height of the trapezium is $h \text{ cm}$

The area of the trapezium is $R \text{ cm}^2$

Given that

$$b = 14.5 \text{ to the nearest } 0.5$$

$$h = 4.0 \text{ to the nearest } 0.1$$

$$R = 50 \text{ to the nearest whole number}$$

calculate the lower bound, to 3 significant figures, of a

(Total for Question 23 is 4 marks)

