

DO NOT WRITE IN THIS AREA

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**21**  $A$  and  $B$  are two mathematically similar containers.

Container  $A$  has surface area of  $1550 \text{ mm}^2$  and container  $B$  has surface area of  $10478 \text{ mm}^2$

Given that

$$\text{volume of container } B - \text{volume of container } A = 62\,160 \text{ mm}^3$$

calculate the volume, in  $\text{mm}^3$ , of container  $A$ .

.....  $\text{mm}^3$

(Total for Question 21 is 5 marks)

