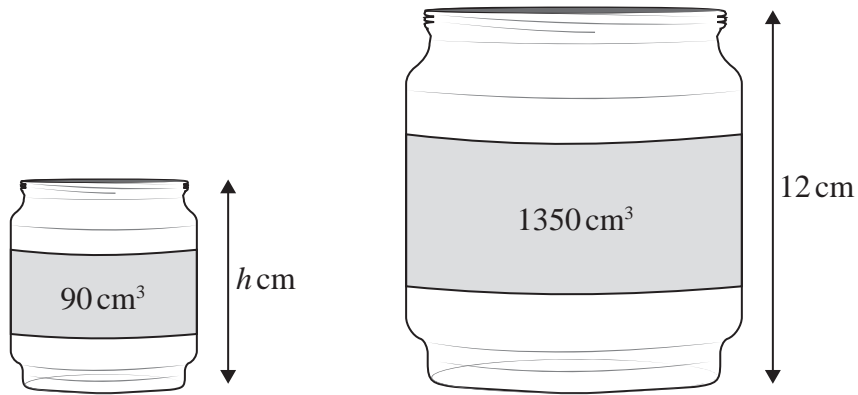


16 Two jars are mathematically similar.



- (a) Work out the height,  $h \text{ cm}$ , of the smaller jar.  
Give your answer correct to 1 decimal place.

..... cm  
(4)

The surface area of the smaller jar is  $A \text{ cm}^2$   
The surface area of the larger jar is  $pA \text{ cm}^2$

- (b) Find the exact value of  $p$ .

$p =$  .....  
(1)