

M4: only 1 day to go!

- 4 (a) Write an expression for the **total** cost in £ of x books at £3 each and y books at £7 each.

Answer £ _____ [2]

- (b) Factorise

(i) $5t + 35$

Answer _____ [1]

(ii) $p^2 - 9p$

Answer _____ [1]

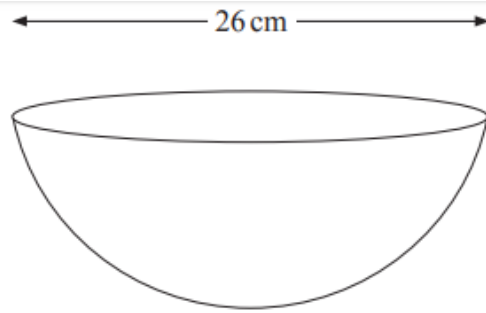
- 10 The temperature in a desert fell to 10°C during a twelve hour period.

This represented an 80% decrease.

Calculate the temperature at the beginning of the twelve hour period.

Answer _____ $^{\circ}\text{C}$ [3]

9



The diagram above shows a **solid** hemisphere which has a diameter of 26 cm.

Find the total surface area of the solid hemisphere.

Give your answer in terms of π .

Answer _____ cm^2 [3]