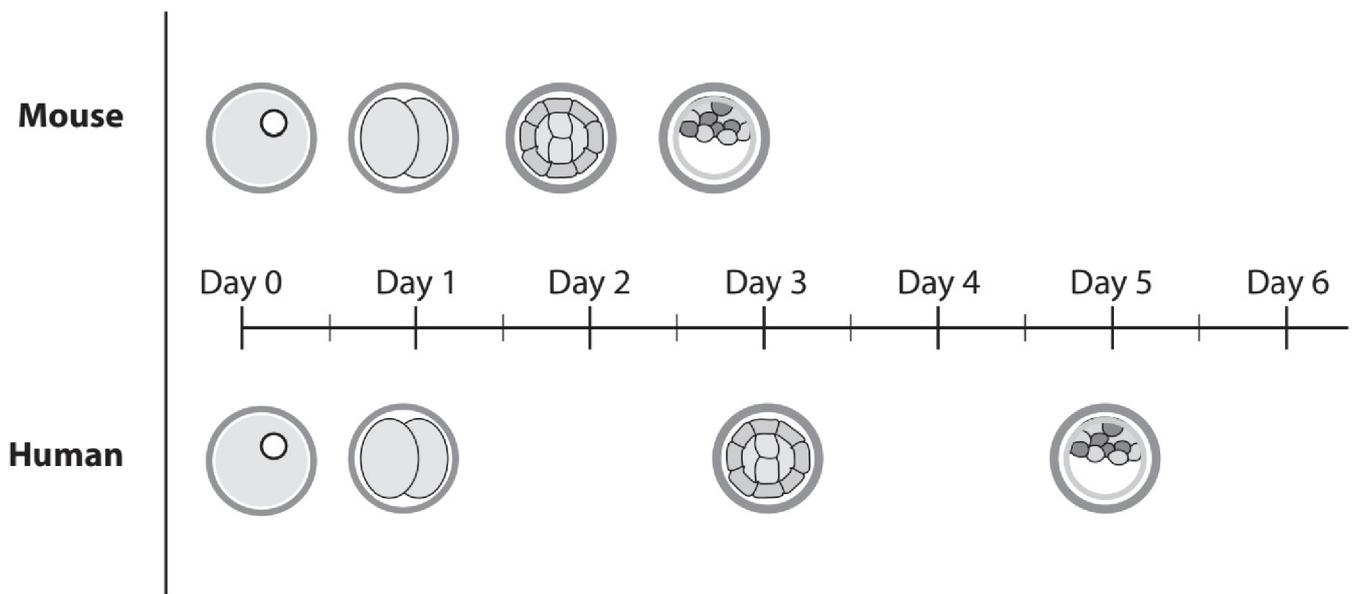(b) The diagram shows the timeline for the structures formed after fertilisation in a mouse and in a human.

A fertilised egg cell is called a zygote.

(i) As mouse egg cells develop they accumulate small spherical lipid droplets.

These lipid droplets have a mean radius of 88 μm.

The volume of a sphere (V) is calculated using the formula

$$V = \frac{4}{3} \pi r^3$$

Which of the following gives the mean volume of a lipid droplet in **mm³**?

(1)

☒ **A** 2.85×10^{-6}

☒ **B** 2.85×10^{-3}

☒ **C** 2.85×10^{3}

☒ **D** 2.85×10^{6}

(ii) Draw a circle around the part of the diagram that is a mouse morula.
Label the circle 'morula'.

(1)