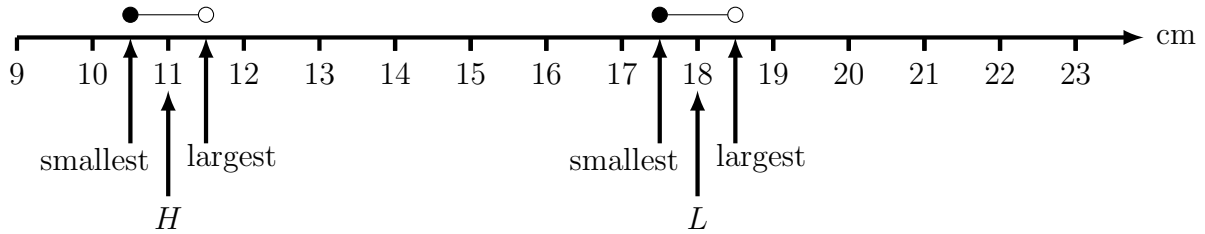1. Isaac measures the height and width of an envelope are measured to the nearest centimetre. He says

   "The height, H cm, of the envelope is 11 cm to the nearest centimetre"
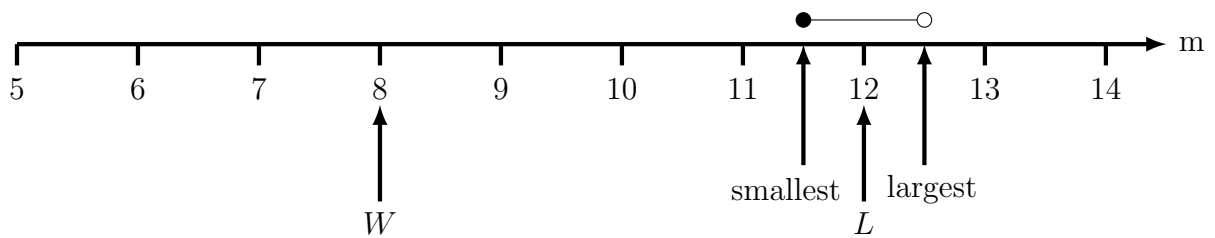
   Isaac's teacher says

   "You can write the values that H could be, as the inequality $10.5 \leqslant H < 11.5$ "

   Complete the following

   (a) The length, L cm of the envelope is .... cm to the nearest centimetre

   (b) .... $\leqslant L <$ ....

2. The length, L m, and width, W m, of a garden are measured to the nearest metre.

   Complete the following

   (a) The length, L m, of the garden is measured as 12 m to the nearest ....

   (b) .... $\leqslant L <$ ....
   (c) The width, W m, of the garden is measured as ...... m to the nearest metre

   (d) .... $\leqslant W <$ ....

3. The height, H m, of a building is measured as 22 m correct to the nearest metre.
   Complete the following statement to show the range of possible values of H

   .... $\leqslant H <$ ....

4. The volume, V cm, of a bowl is measured as 6 litres correct to the nearest litre.
   Complete the following statement to show the range of possible values of V

   .... $\leqslant V <$ ....

   Answers

   1a) 18 b) $17.5 \leqslant L < 18.5$ 2a) metre 2b) $11.5 \leqslant L < 12.5$ 2c) 8 2d) $7.5 \leqslant W < 8.5$
   3) $21.5 \leqslant H < 22.5$ 4) $5.5 \leqslant V < 6.5$