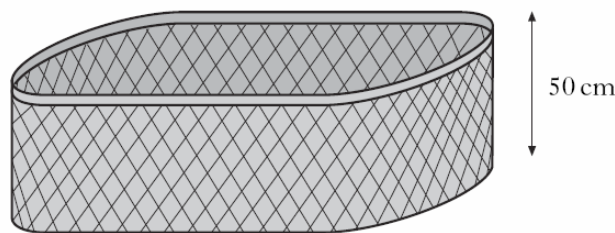
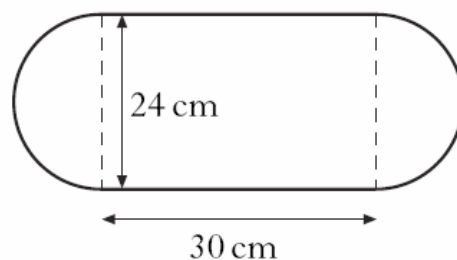


1. A plot of land which cost £40000 has appreciated by 12% a year for 4 years.
What is it now worth?
2. A car cost £19000 new. It depreciates 28% in its first year and 22% in the second year.
Calculate its value at the end of the second year.
3. £6000 is placed in a deposit account paying 4% compound interest per annum.
How much is in the account after 4 years?
4. The value of a piece of electronic equipment depreciates by 10% p.a.
If it is now valued at £8748, what was its value when new 3 years ago?
5. On squared paper draw an accurate graph of the straight line $y = 2x + 3$.
6. Solve this equation $3x - 4 = x + 13$
7. Jim Reid keeps his washing in a basket. The basket is in the shape of a prism.



The height of the basket is 50 centimetres.
The cross section of the basket consists of a rectangle and two semi-circles with measurements as shown.



- (a) Find the volume of the basket in cubic centimetres.
Give your answer correct to three significant figures.
Jim keeps his ironing in a storage box which has a volume half that of the basket.

The storage box is in the shape of a cuboid,
35 centimetres long and 28 centimetres broad.

- (b) Find the height of the storage box.

