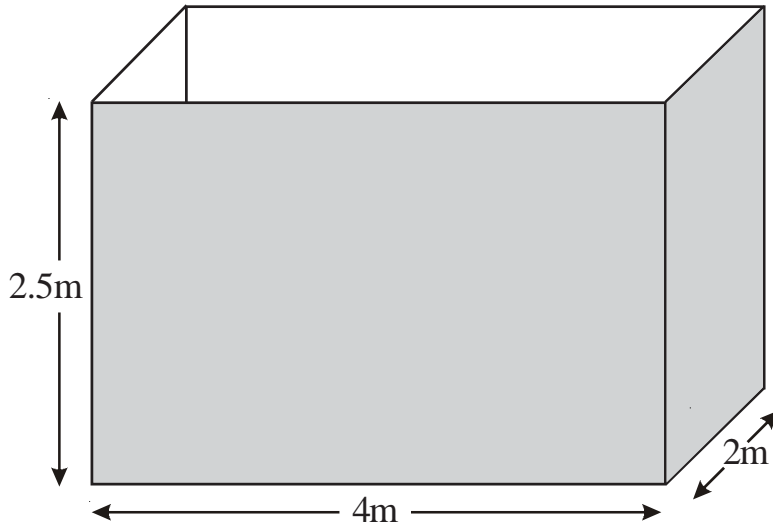


TASK 1: THE WATER TANK

Answer all questions in this task.

Show clearly how you get your answers as marks may be given for your working out.

Here is a rectangular tank which is used to store water.
It has four sides and a base but **no lid**.



It has to be painted on the inside and outside, including the base.
Below, is Tony's jobsheet which tells him how to paint the tank.

Jobsheet for Tony

Inside the tank: 2 coats of undercoat
3 coats of topcoat

Outside the tank: 1 coat of undercoat
2 coats of topcoat

Undercoat

Tin size	Price
2½ litres	£12.99
5 litres	£24.99
10 litres	£47.99

Coverage: 1 litre covers 5m²

Topcoat

Tin size	Price
2½ litres	£16.99
5 litres	£31.99
10 litres	£59.99

Coverage: 1 litre covers 6m²

1. Before Tony begins the job of painting the water tank he decides to calculate the surface area of the inside of the tank.

What is the surface area of the inside of the tank?

2. Tony looked at his job sheet and calculated how many litres of undercoat and topcoat he would need in order to complete the whole job.

How many litres of undercoat will he need?

3. Work out the total cost of the undercoat and topcoat Tony will need to buy to complete the work on his jobsheet.