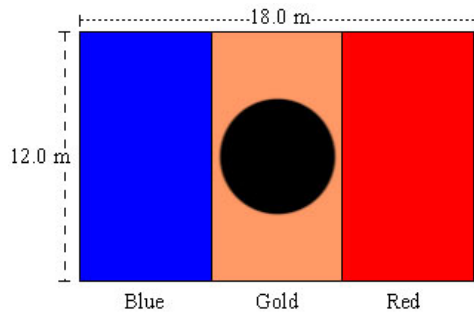# Colours on the flag

This task is about working out the area and perimeter.

The figure below shows a flag. It has three equal-sized rectangular panels of blue, gold, and red. The gold panel has a black circle in the centre of it.

[NOT DRAWN TO SCALE]

Useful Formula

$a = \pi r^2$ where:
　　a = area of a circle
　　π = 3.14
　　r = radius of a circle

What would be the **length** of stitching required to go right around the flag?

a) _____ m

b) What is the **area** of the blue panel? _____ m^2

c) What is the **area** of the black circle, if it has a diameter of 5.0 m? _____ m^2

d) What is the **area** of gold cloth remaining in the centre panel, if the black circle was cut from it?

_____ m^2