

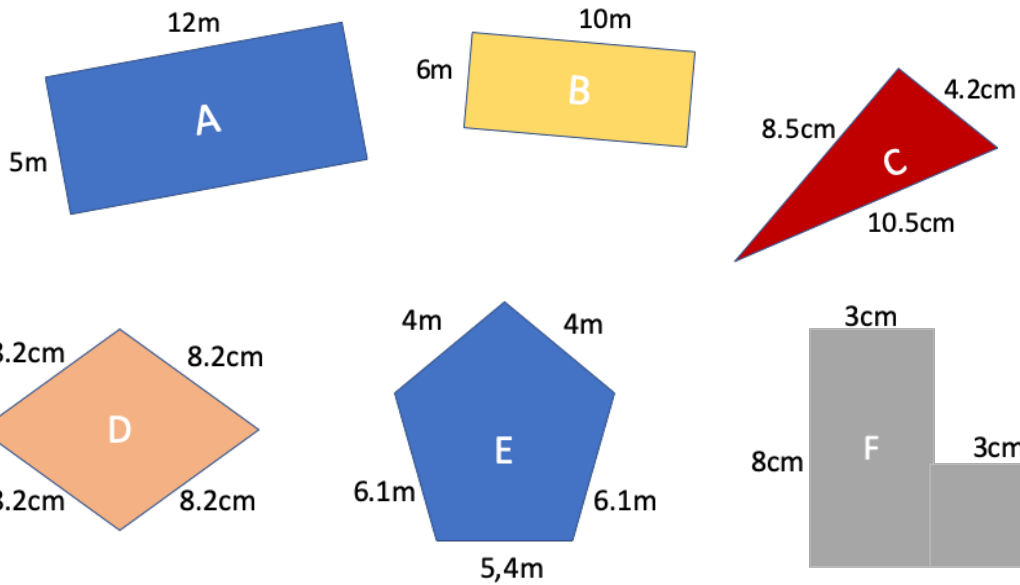


## Area and Perimeter:

### Basic Skills

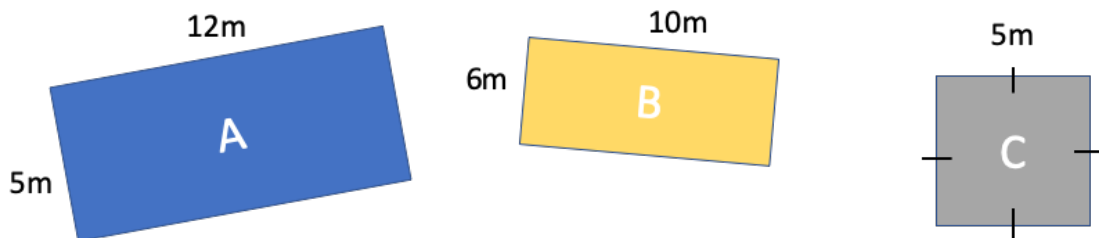
#### Section 1: Perimeter

1. State the perimeter of the following shapes

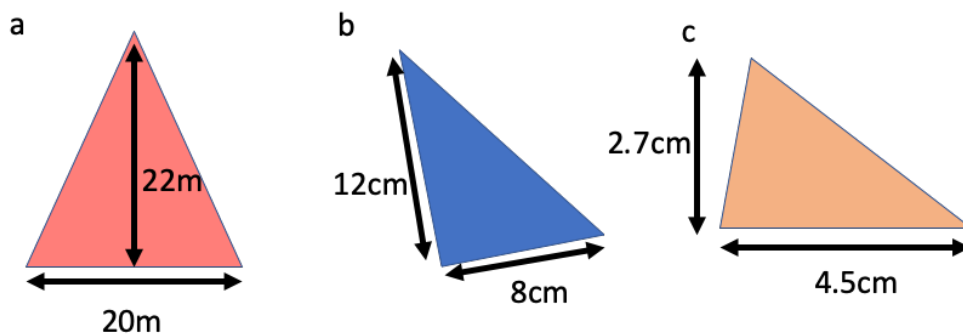


#### Section 2: Basic Areas

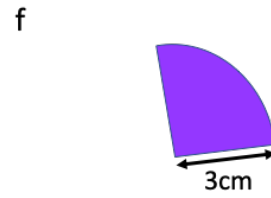
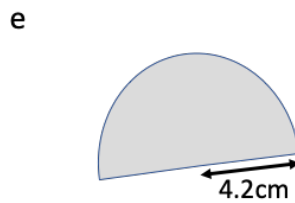
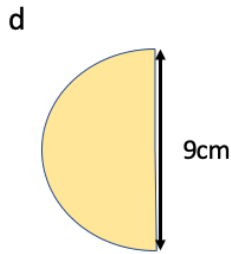
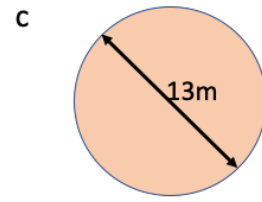
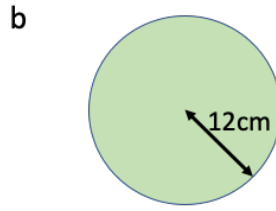
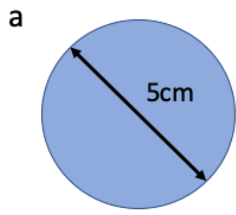
1. State the area of the following rectangles



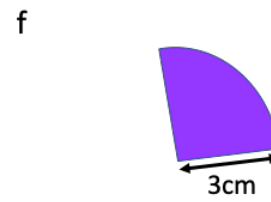
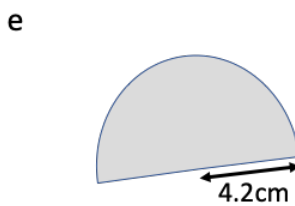
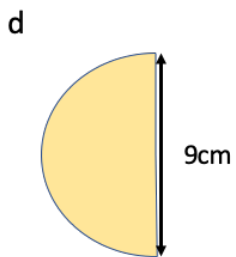
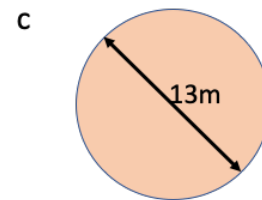
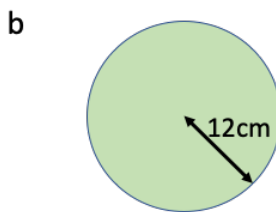
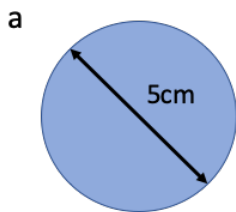
2. State the area of the following triangles.



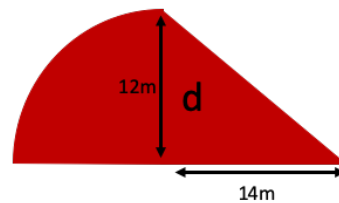
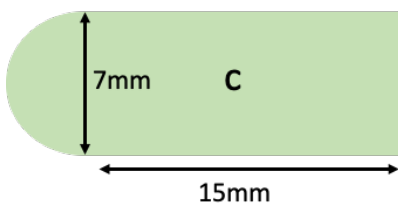
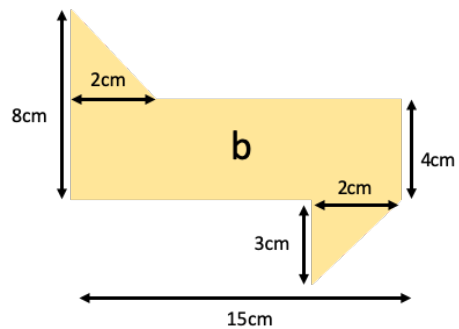
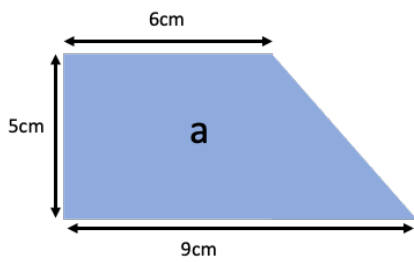
3. Find the area of these circles and semicircles.

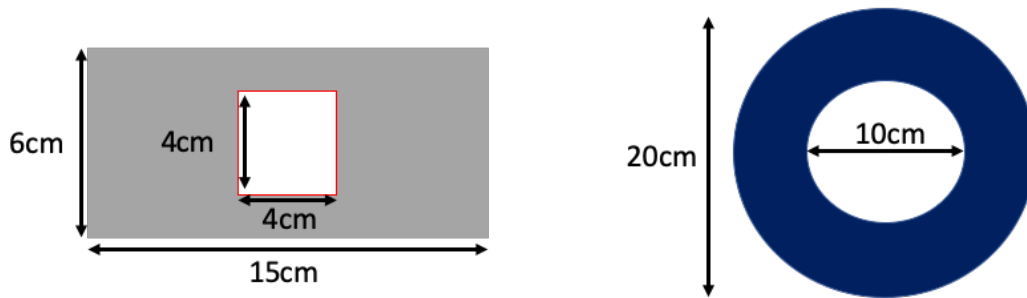


4. Find the circumference/perimeter of the following shapes.



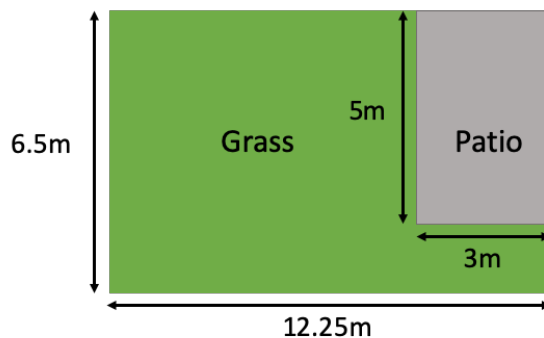
5. Find the area of the following composite shapes.





### Exam Questions

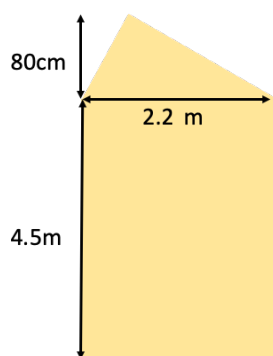
1. A man is building a fence around the grass in his garden.



a. Calculate the length of the fence required.

b. If it costs £8 for every meter of fence, then how much will it cost to build the new fence?

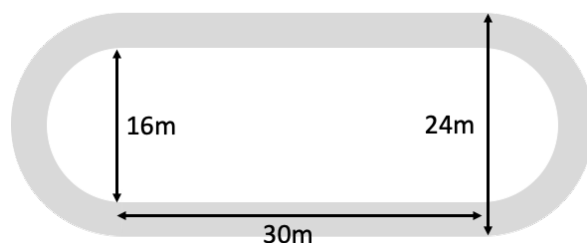
2. Below is the outline of a stained glass window that is to be built in a new church.



a. Calculate the area of the window

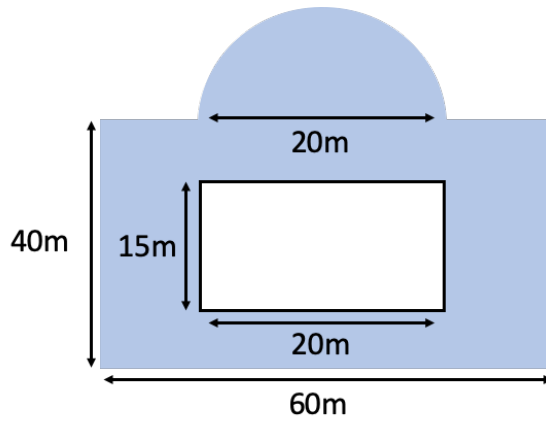
b. It costs £12.99 per  $\text{m}^2$ . Calculate the cost of the window.

3. A Go Kart track has just been built in Glasgow. The track is shown below.



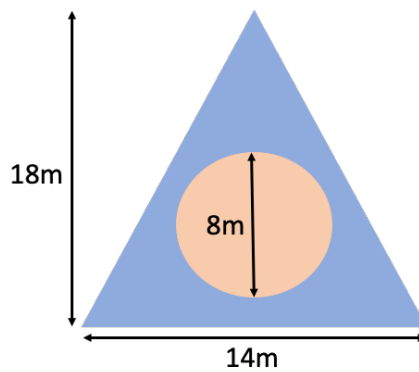
- a. Calculate the area of the race track
- b. It costs £15.50 for every 1m<sup>2</sup> of track. How much would it cost to make the entire track?

4. **Non-Calculator:** Calculate the area of the following. Use  $\pi = 3.14$ .

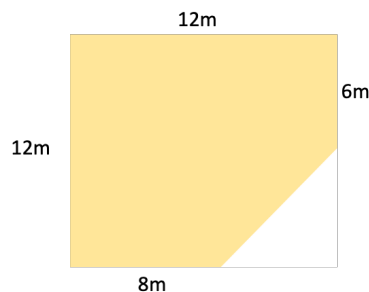


Calculate the shaded area.

5. A computer company is making a new logo. They want the circle to be between 30% and 40% of the area of the triangle. Calculate the area of the circle and the triangle out if it is between the desired percentages.



6. **Hint: Pythagoras:** Martin is fitting a new bathroom.



- a. Calculate the perimeter of the bathroom
- b. It costs £12.99 to tile each meter of wall, calculate the cost to tile the bathroom.