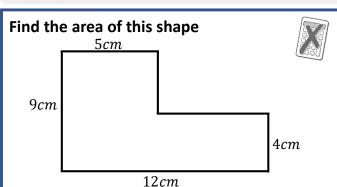
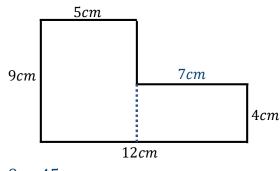
Level 2 Functional Skills Maths Self Quizzing Questions

Module 14 – Area and Perimeter

www.MathsHub.co.uk



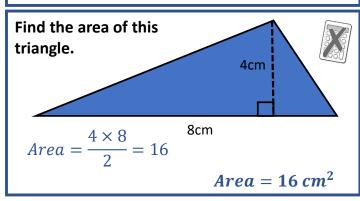
Split the shape into rectangles.



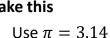
$$5 \times 9 = 45$$
$$7 \times 4 = 28$$

$$28 + 45 = 73$$

 $Area = 73 cm^2$



Sunny is required to make the shape below out of metal bar. The shape is made up of a square of side length 20cm, and 4 identical semicircles, each with the same diameter that is equal to the side length of the square. Each semicircle has 3 bars that go from the centre to the edge of the semicircle. Find the total amount of length of metal bar required to make this shape.



$$20 \times 4 = 80$$

Circumference of a semicircle = $2\pi r \div 2$

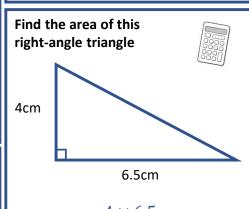
$$= 2 \times \pi \times 10 \div 2 = 31.4$$

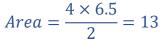
 $31.4 \times 4 = 125.6$

12 bars that are each 10cm long = $12 \times 00 = 120$

$$120 + 80 + 125.6 = 325.6$$

325.6~cm of metal bar





 $Area = 13 cm^2$

