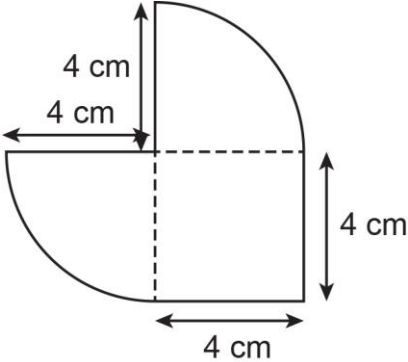
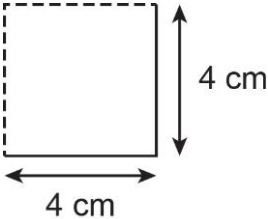
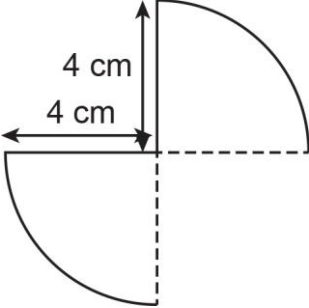
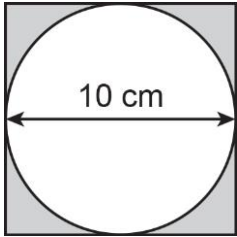
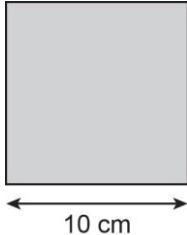
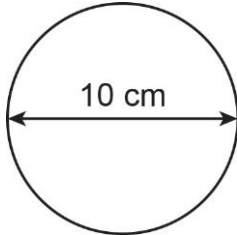
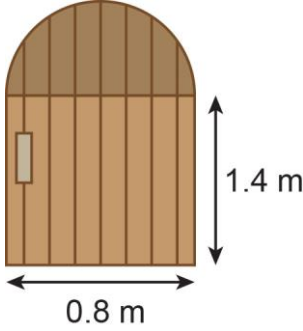
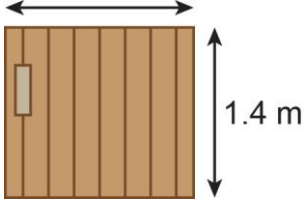
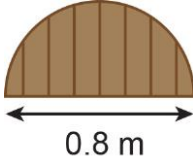


Area of compound shapes

(a)	Compound shape	Column A	Column B	Column C
		Find the area of this shape	Draw the other shapes and find the areas	Total area
				Area = 16 + 25.13 = 41.13 = 41.1 cm² (1 d.p.)
		Area = 4 × 4 = 16 cm²	$A = \frac{1}{4}\pi r^2 + \frac{1}{4}\pi r^2 = \frac{1}{2}\pi r^2$ Area = 3.14... × 4² ÷ 2 = 25.132... = 25.13 cm²	

(b)	Compound shape	Column A	Column B	Column C
		Find the area of one part	Draw the other shapes and find the areas	Area of the shaded part
				$\begin{aligned} \text{Area} &= 100 - 78.54 \\ &= 21.46 \\ &= 21.5 \text{ cm}^2 \text{ (1 d.p.)} \end{aligned}$
		$\begin{aligned} \text{Area} &= 10 \times 10 \\ &= 100 \text{ cm}^2 \end{aligned}$	$\begin{aligned} A &= \pi r^2 \\ \text{Area} &= 3.14... \times 5^2 \\ &= 78.539... \\ &= 78.54 \text{ cm}^2 \end{aligned}$	

(c)	Compound shape	Column A	Column B	Column C
		Find the area of one part	Draw the other shapes and find the areas	Total area

			$\begin{aligned}\text{Area} &= 1.12 + 0.251 \\ &= 1.371 \\ &= 1.37 \text{ m}^2 \text{ (2 d.p.)}\end{aligned}$
	$\begin{aligned}\text{Area} &= 0.8 \times 1.4 \\ &= 1.12 \text{ m}^2\end{aligned}$	$\begin{aligned}A &= \frac{1}{2}\pi r^2 \\ \text{Area} &= 3.14... \times 0.4^2 \div 2 \\ &= 0.25132... \\ &= 0.251 \text{ m}^2\end{aligned}$	