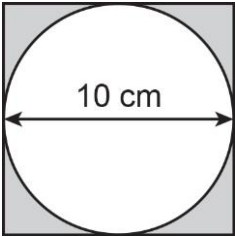
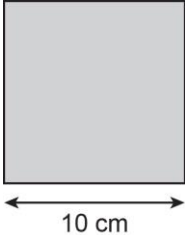
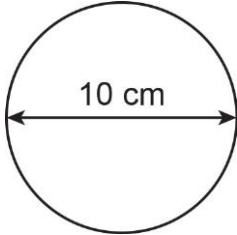
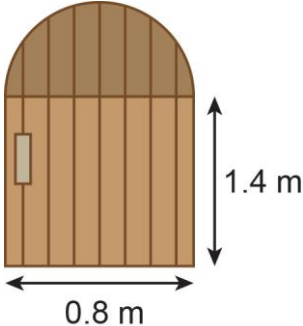
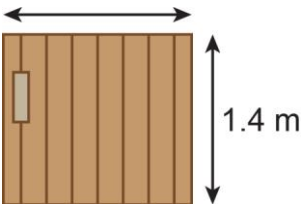
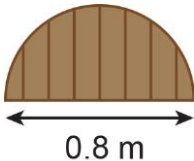


Area of compound shapes

(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 = $3.14 \dots \times 4^2 \div 2$ = 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 shaded part
				$\begin{aligned} \text{Area} &= 100 - 78.54 \\ &= 21.46 \\ &= 21.5 \text{ cm}^2 \text{ (1 d.p.)} \end{aligned}$
		$\begin{aligned} \text{Area} &= 10 \times 10 \\ &= 100 \text{ cm}^2 \end{aligned}$	$\begin{aligned} A &= \pi r^2 \\ \text{Area} &= 3.14 \dots \times 5^2 \\ &= 78.539 \dots \\ &= 78.54 \text{ cm}^2 \end{aligned}$	

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