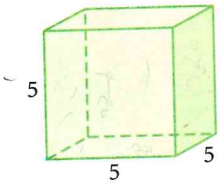
## EXERCISES

**You will need**

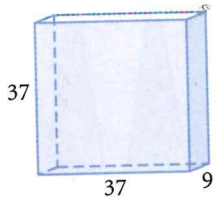
*Construction tools* for Exercise 13

In Exercises 1–10, find the surface area of each solid. All quadrilaterals are rectangles, and all given measurements are in centimeters. Round your answers to the nearest 0.1 $cm^2$.

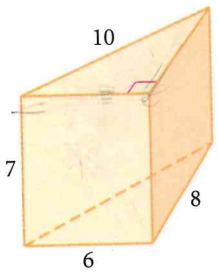
**1.**



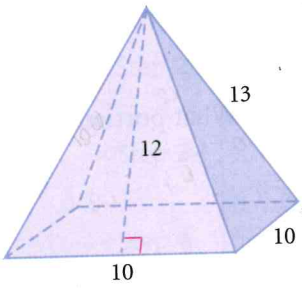

**2.**



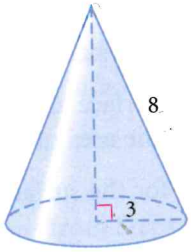

**3.**



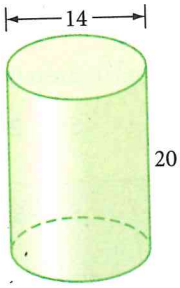

**4.**



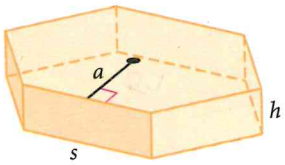

**5.**



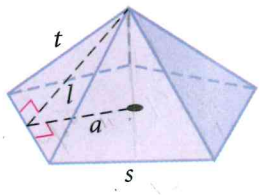

**6.**



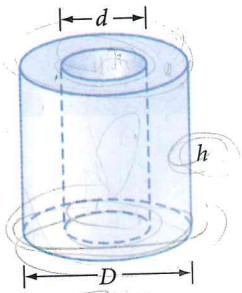

**7.** The base is a regular hexagon with apothem $a = 12.1$, side $s = 14$, and height $h = 7$. (h)



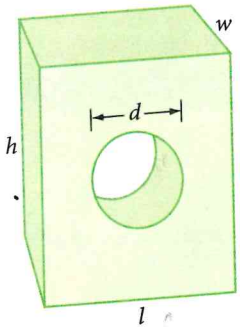

**8.** The base is a regular pentagon with apothem $a = 11$ and side $s = 16$. Each lateral edge $t = 17$, and the height of a face $l = 15$.




**9.** $D = 8, d = 4, h = 9$ (h)




**10.** $l = 8, w = 4, h = 10, d = 4$




**11.** Explain how you would find the surface area of this obelisk.