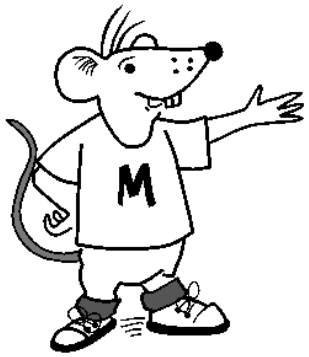
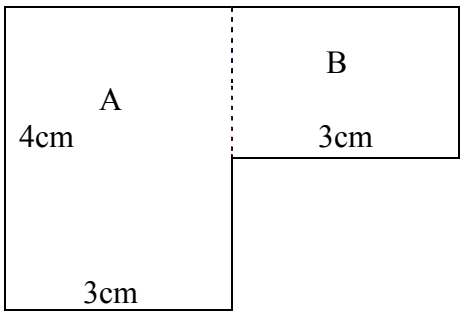
Finding the area of compound shapes



Sometimes shapes are made up of two or more rectangles. These shapes are known as compound or composite shapes.
To find the area of a shape like this you need to divide it into rectangles.

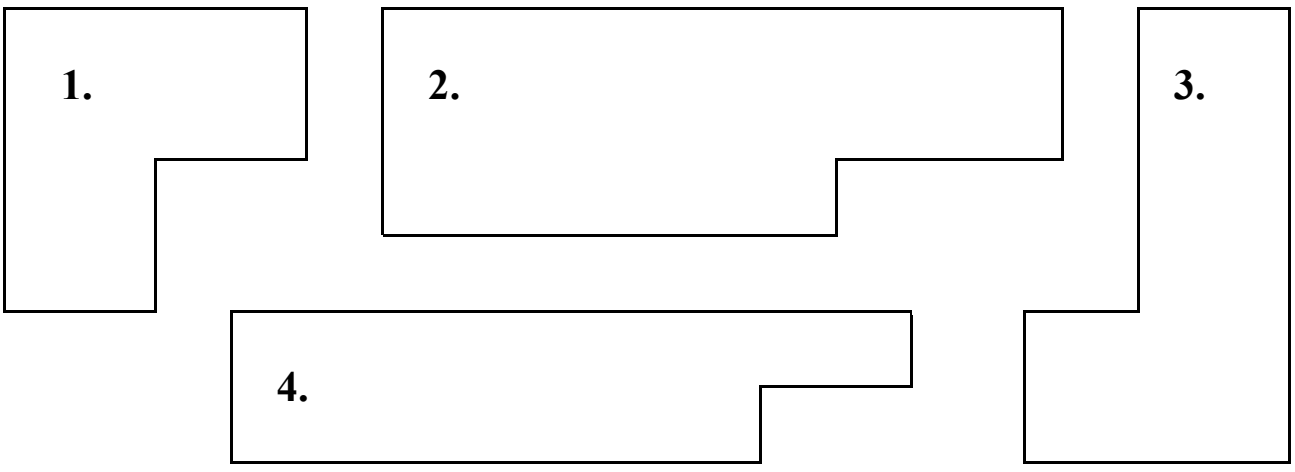
Example:



To find the area of this shape divide it into two rectangles.

Area of rectangle A = 3 cm x 4 cm = 12 cm^2
Area of rectangle B = 3 cm x 2 cm = 6 cm^2
Total area = 12 cm^2 + 6 cm^2 = 18 cm^2

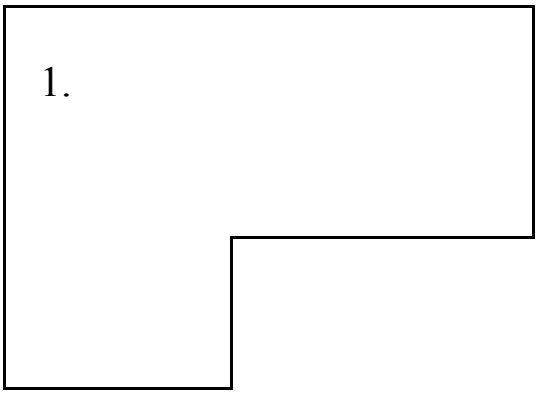
Try to find the area of these shapes; you will need to measure the lines:



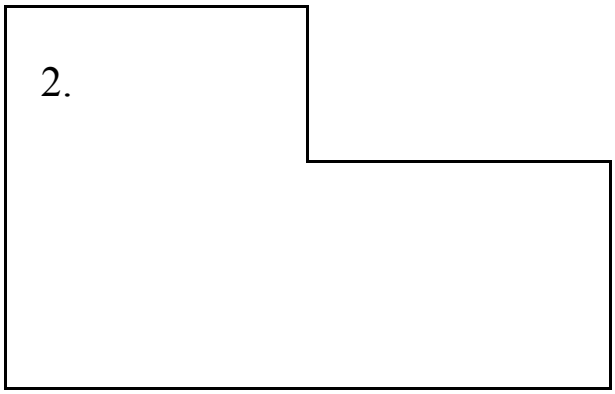
Area of compound shapes

Find the area of these compound shapes.
Measure lines to nearest whole cm.

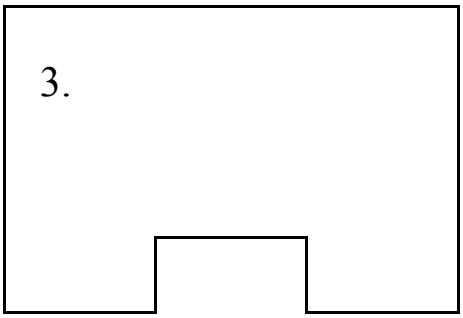
1.



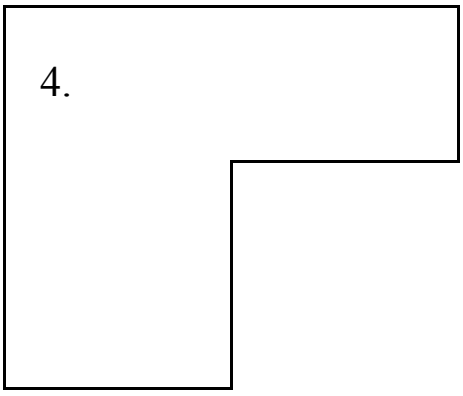
2.



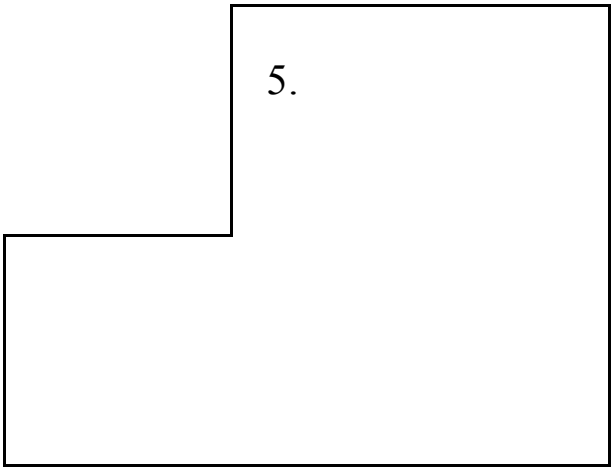
3.



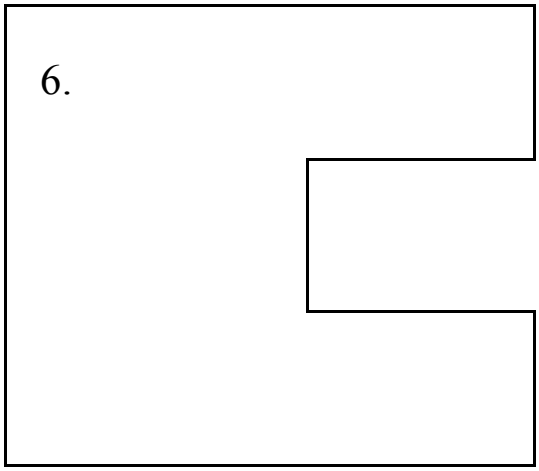
4.



5.



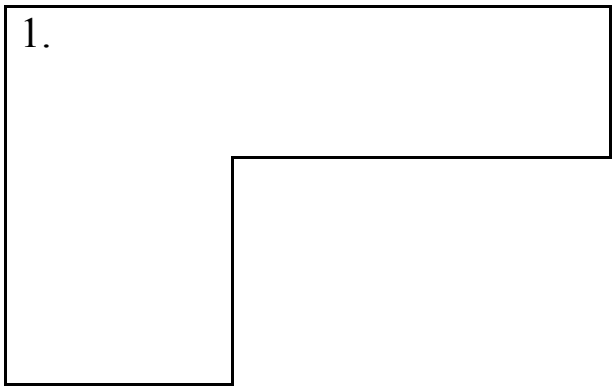
6.



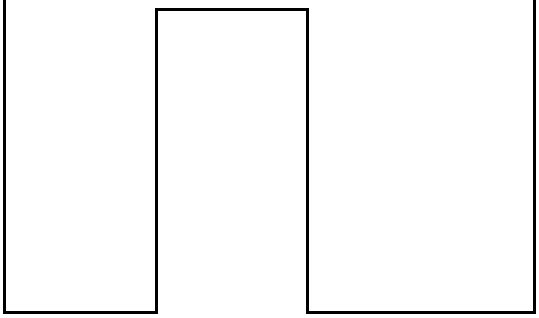
Area of compound shapes

Find the area of these compound shapes.
Measure lines to nearest whole cm.

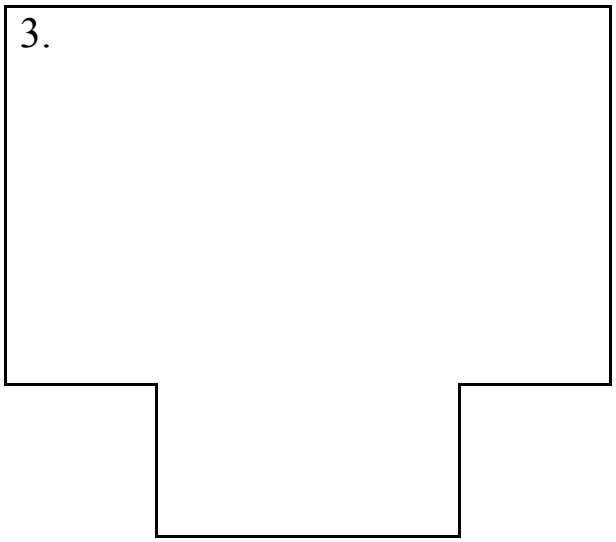
1.



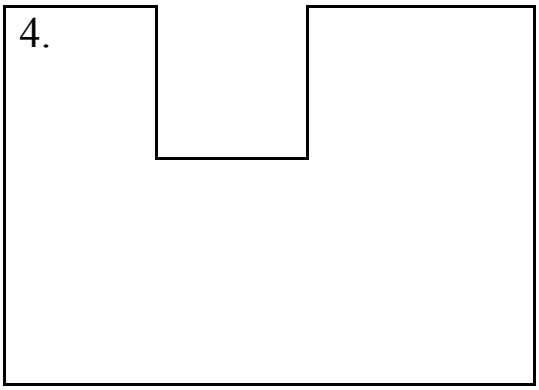
2.



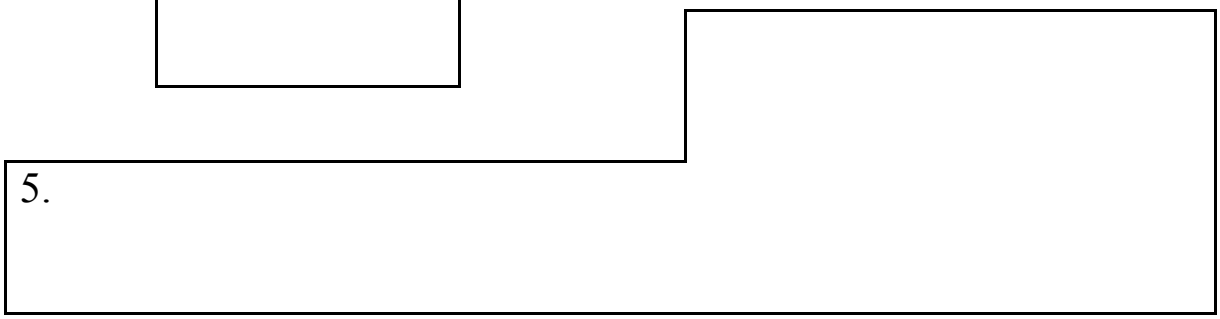
3.



4.



5.



Answers

Please note: printouts vary in size depending on the printer settings. This may affect length of lines being measured.

Page 1

1. 12 cm^2 **2.** 24 cm^2 **3.** 15 cm^2 **4.** 16 cm^2

Page 2

1. 27 cm^2 **2.** 32 cm^2 **3.** 22 cm^2 **4.** 21 cm^2 **5.** 39 cm^2 **6.** 36 cm^2

Page 3

1. 25 cm^2 **2.** 34 cm^2 **3.** 48 cm^2 **4.** 31 cm^2 **5.** 46 cm^2