PRACTICE WORKSHEET

Area of Compound Shapes

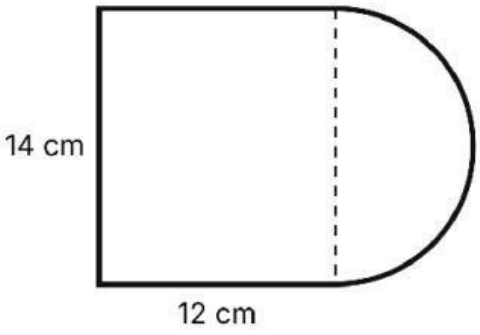
Name: _____ **Class:** _____ **Date:** _____

Instructions: Split each shape into simple parts, find the area of each part, then add (or subtract). Use **π = 22/7**. Show all working and give units.

Semicircle area = ½πr² · Quadrant (quarter circle) area = ¼πr²

Section A: Rectangles with semicircles

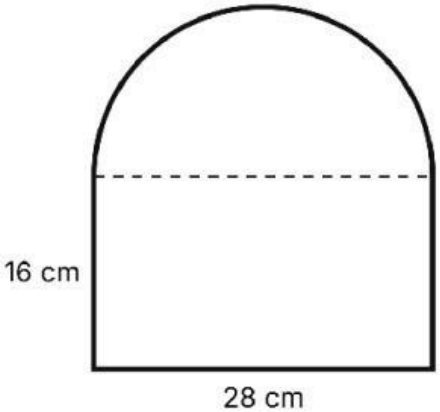
1. The shape is a rectangle 12 cm by 14 cm with a semicircle on one 14 cm side. Find the area of the shape.



WORKING

Area = _____ **cm²**

2. The shape is a rectangle 28 cm by 16 cm with a semicircle on one 28 cm side. Find the area of the shape.



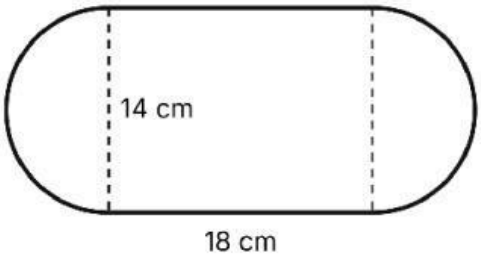
WORKING

Area = _____ **cm²**

LIVEWORKSHEETS

3. The shape is a rectangle 18 cm by 14 cm with a semicircle on *each* 14 cm side. Find the area of the shape.

Hint: what do two semicircles make?

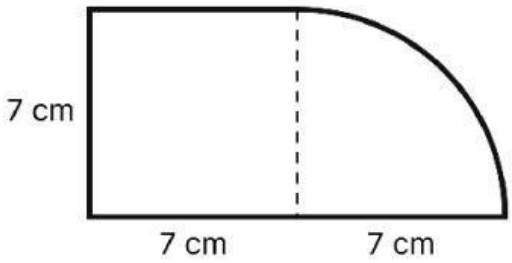


WORKING

Area = _____ cm²

Section B: Shapes with a quadrant (quarter circle)

4. The shape is a square of side 7 cm with a quadrant of radius 7 cm on one side. Find the area of the shape.



WORKING

Area = _____ cm²

LIVEWORKSHEETS