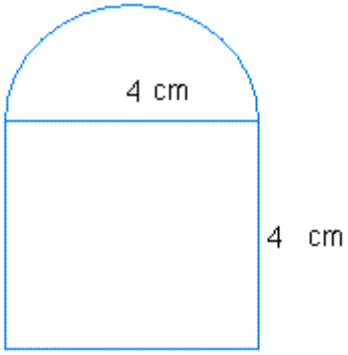
Name _____ Date _____

Area of Composite Shapes Advanced Guided Lesson Explanation

Answer 1: The figure above has two regular shapes: a square and a semi-circle. Find the area for each of those two shapes and add them to find the total area.



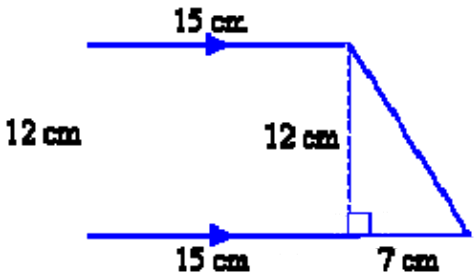
Area of square = 4x4 =16 square cm

Area of semi-circle = ½ x3.14 x 2 x2 = 6.28 square cm

Total Area = Area of square + Area of semi-circle

Total Area = 16 square cm + 6.28 square cm = 22.28 square cm

Answer 2: The complex shape can be split into a rectangle A (15x12) and a triangle B with a base of 7 and a height of 12 cm. Again, find the area of each regular shape and add them.



Area of rectangle = 180 square cm

Area of triangle = ½ x base x height = ½ x 7x 12= 42 square cm

Total area of the figure = Area of rectangle + Area of triangle

Total area of the figure = 180 square cm + 42 square cm

Total area of the figure = 222 square cm