ANSWERS

AREA OF COMPOUND SHAPES

Instructions: Solve each problem by calculating the area of the given shape. Choose the correct answer from the three options provided for each exercise. Color the option that is correct.

a) A rectangular billboard measures 18 ft by 10 ft. What is its area?		
170 ft^2	180 ft^2	190 ft^2

b) A semicircular window has a radius of 5 m. What is its area?		
39.25 m^2	31.4 m^2	42.5 m^2

c) A trapezoidal tabletop has parallel sides of 15 m and 10 m, with a height of 6 m. What is its area?		
75 m^2	80 m^2	70 m^2

d) A basketball court has two semicircles at each end, each with a radius of 7 m. What is the total area of both semicircles?		
120 m^2	153.86 m^2	140 m^2

e) A triangular sail has a base of 9 m and a height of 5 m. What is its area?		
22.5 m^2	25 m^2	20 m^2

f) A swimming pool has a rectangular section measuring 12 m by 8 m and a semicircular section with a radius of 4 m. What is the total area of the pool?		
125.12 m^2	130 m^2	120 m^2

How Did You Do? ☺ 😐 ☹