

## 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 rug measures 6 m by 4 m. What is its area?

20 m<sup>2</sup>    24 m<sup>2</sup>    36 m<sup>2</sup>

b) A circular clock has a radius of 9 cm. What is its area?

254.34 cm<sup>2</sup>    275.4 cm<sup>2</sup>    280 cm<sup>2</sup>

c) A triangular park has a base of 18 m and a height of 10 m. What is its area?

80 m<sup>2</sup>    90 m<sup>2</sup>    90 m<sup>2</sup>

d) A trapezoidal garden has parallel sides of 7 m and 5 m, and a height of 4 m. What is its area?

34 m<sup>2</sup>    24 m<sup>2</sup>    42 m<sup>2</sup>

e) A swimming pool is in the shape of a rectangle with a semicircular end. The rectangle measures 10 m by 4 m, and the semicircle has a radius of 4 m. What is the total area of the pool?

50.24 m<sup>2</sup>    78.4 m<sup>2</sup>    62.8 m<sup>2</sup>

f) A rectangular field has dimensions 15 m by 8 m, and there is a circular pond with a radius of 3 m in one corner. What is the remaining area of the field?

104.24 m<sup>2</sup>    110 m<sup>2</sup>    102 m<sup>2</sup>

