

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 garden measures 10 m by 6 m. A circular fountain with a radius of 3 m is in the middle. What is the remaining area of the garden?

51.42 m² 54.42 m² 48.42 m²

c) A trapezoidal field has parallel sides of 18 m and 10 m, with a height of 8 m. What is the area of the field?

140 m² 112 m² 130 m²

d) A rectangular sign has a width of 5 m and a height of 2 m. A triangular portion is removed from the top with a base of 5 m and a height of 1 m. What is the remaining area of the sign?

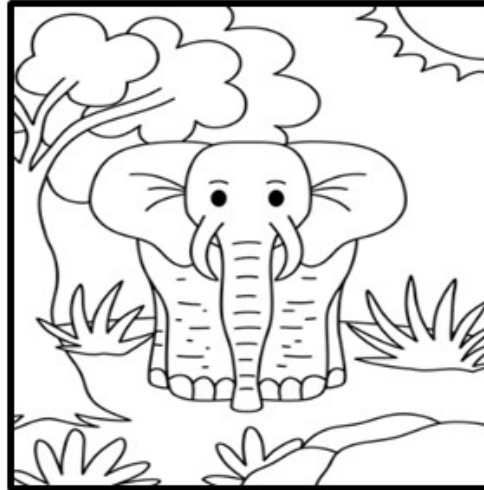
9 m² 10 m² 8 m²

e) A garden has a rectangular section measuring 14 m by 5 m and a semicircular section with a radius of 5 m. What is the total area of the garden?

129.9 m² 120 m² 125 m²

b) A rectangular pool has a length of 20 m and a width of 8 m. A circular area with a radius of 3 m is removed from one corner. What is the total area of the pool?

145.44 m² 150.26 m² 152.84 m²



f) A playground is shaped like an "L." The vertical section is 15 m by 5 m, and the horizontal section is 10 m by 5 m. What is the area of the playground?

75 m² 125 m² 100 m²

How Did You Do? 😊 😐 😞