1. Tom wants to tile his kitchen floor, which is in the shape of a square measuring 10 feet on each side. How many square feet of tiles does he need?

Area of Square = side x side

$$A = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$$

$$A = \underline{\hspace{1cm}} \text{ sq. ft.}$$

2. Sarah's rectangular backyard measures 20 meters in length and 15 meters in width. If she wants to install artificial grass, how many square meters of grass does she need?

Area of Rectangle = length x width

$$A = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$$

$$A = \underline{\hspace{1cm}} \text{ sq. m}$$

3. A triangular garden bed has a base of 6 meters and a height of 8 meters. What is the area of the garden bed?

$$\textbf{Area of a triangle} = \frac{base \ x \ height}{2}$$

$$A = \frac{\underline{\hspace{0.5cm}} x \underline{\hspace{0.5cm}}}{2}$$

$$A = \frac{\underline{\hspace{1cm}}}{2}$$

$$A = \underline{\hspace{1cm}} \text{ sq. m}$$

4. A field has the shape of a parallelogram with a base of 12 meters and a height of 5 meters. What is the area of the field?

Area of parallelogram = base x height

$$A = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$$

$$A = \underline{\hspace{1cm}} \text{ sq. m}$$

5. An amusement park has a trapezoidal fountain with a top length of 8 meters, a base length of 12 meters, and a height of 6 meters. What is the area of the fountain?

$$\textbf{Area of a Trapezoid} = \frac{(base1 + base2) \ x \ height}{2}$$

$$A = \frac{(\underline{\hspace{0.5cm}} + \underline{\hspace{0.5cm}}) x \underline{\hspace{0.5cm}}}{2}$$

$$A = \frac{\underline{\hspace{0.5cm}} x \underline{\hspace{0.5cm}}}{2}$$

$$A = \frac{\underline{\hspace{1cm}}}{2}$$

$$A = \underline{\hspace{1cm}} \text{ sq. m}$$