x

Area – Triangles, Parallelograms, Rectangles - with answers

1. Garden Bed Design A rectangular garden bed is 4 m long and 3 m wide. You want to cover it with mulch. • Draw the shape. • Calculate the area. • Mulch costs $5 per square metre. Calculate the total cost.	Area = x Area = m² **Cost = $5 x** **= $**
2. Painting a Wall A square wall is 2.5 m high and 2.5 m wide. You are painting the entire wall. • Draw the square. • Calculate the area. • Paint costs $4.50 per m². Calculate the cost.	Area = Area = m² **Cost = $4.50 x** **= $**
3. Shade Sail A triangular shade sail has a base of 6 m and a height of 4 m. • Draw the triangle. • Calculate the area.	Area = $\frac{\text{x}}{\quad}$ Area = m²
4. Banner Printing A banner is shaped like a parallelogram with a base of 5 m and height of 2 m. • Draw the parallelogram. • Calculate the area. • Each square metre costs $12 to print. What is the total cost?	Area = Area = m² **Cost = $12 x** **= $**
5. Tiling a Floor You need to tile a square kitchen floor with side length 4 m. • Draw the square. • Calculate the area. • Tiles cost $25 per m². Calculate the total cost.	Area = Area = m² **Cost = $25 x** **= $**
6. Camp Flag A triangular flag has a base of 1.5 m and a height of 1 m. • Draw the triangle. • Calculate the area.	Area = $\frac{\text{x}}{\quad}$ Area = m²

7. Tent Fabric Calculation A tent has two identical triangular sides, each with base 3.6 m and height 2.5 m. • Draw one triangle. • Calculate the area of one side. • Calculate the total area for both sides. • If fabric costs \$7.80 per m^2, calculate the total cost.	Area = x x Area = m^2 **Cost = \$7.80 x**
8. Concrete Slab You're laying concrete for a rectangular driveway measuring 8.2 m by 3.5 m. • Draw the rectangle. • Calculate the area. • Concrete costs \$60 per square metre.	**= \$** Area = x Area = m^2 **Cost = \$60 x** **= \$**
9. Stage Flooring A square stage is being constructed with each side measuring 6.5 m. • Draw the square. • Calculate the area. • Each m^2 of floorboard costs \$48.	Area = x Area = m^2 **Cost = \$48 x** **= \$**
10. Outdoor Signage A parallelogram-shaped advertising sign has a base of 7.8 m and a height of 3.2 m. • Draw the parallelogram. • Calculate the area. • Painting costs \$13.50 per m^2.	Area = x Area = m^2 **Cost = \$13.50 x** **= \$**
11. Art Installation A triangular art panel has a base of 5.4 m and height 2.6 m. There are 4 identical panels. • Draw one triangle. • Calculate the area of one. • Find the total area of 4 panels. • Installation cost is \$20 per m^2.	Area = x x Area = m^2 **Cost = \$20 x** **= \$**
12. Landscaping Project A garden has a rectangular grass section (9 m × 4.5 m) and a triangle-shaped flower bed (base 3 m, height 2.4 m). • Draw both shapes. • Calculate the total area. • Grass costs \$6/m^2 and flowers \$12/m^2.	Area of grass section = m^2 Area of flower bed = m^2 **Cost of grass = \$** **Cost of flowers =\$** **Total cost = \$**